

Converting Colors

XYZ(63.7600, 76.1571,
105.9470)

Have a look what the booklet for
XYZ(63.7600, 76.1571, 105.9470)
contains.

XYZ(63.7288, 76.1556, 105.9484)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.7288, 76.1556,
105.9484)**

Conversions

Conversions Part 1

Format	Color
Hex	A3EEFF
RGB	163, 238, 255
RGB Percent	64%, 93%, 100%
CMY	0.3608, 0.0667, 0.0000
CMYK	0.36, 0.07, 0.00, 0.00
HSL	191°, 100%, 82%
HSV	191°, 36%, 100%
XYZ	63.7288, 76.1556, 105.9484
YIQ	217.5130, -50.1570, -10.6130

Conversions

Conversions Part 2

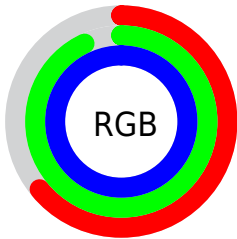
Format	Color
R_{YB}	163, 204, 255
Decimal	10743551
CIE _{Lab}	89.93, -18.98, -15.55
CIE _{LCh}	90, 24.531, 219.326
Yxy	76.1556, 0.2592, 0.3098
Android (android.graphics.Color)	4288933631 (0xFFA3EEFF)
YUV	217.5130, 18.4811, -47.8079
Hunter-Lab	87.2672, -22.3640, -10.8951

Details

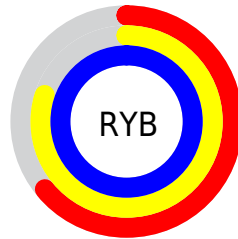
The XYZ color **63.7288, 76.1556, 105.9484** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.1725, 56.5470, 42.1846**, and the grayscale version is **66.2089, 69.6569, 75.8563**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **32.9844, 40.6589, 59.5356** is the 20% darker color. If you saturate the color by 10%, you get **57.6714, 71.0251, 105.2773**, and if you desaturate by 10%, it is **70.8789, 81.9064, 106.6815**.

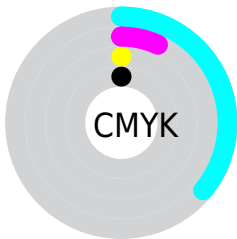
Distribution



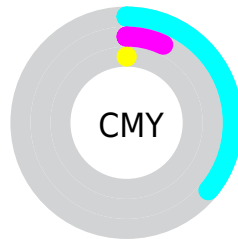
- Red (64%)
- Green (93%)
- Blue (100%)



- Red (64%)
- Yellow (80%)
- Blue (100%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7288, 76.1556, 105.9484 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 63.7288, 76.1556, 105.9484 by changing the saturation by 10% instead.

63.7288, 76.1556,
105.9484

63.7288, 76.1556,
105.9484

427.8274,
481.8802, 600.5089

46.6919, 56.5601,
80.6330

109.2962,
127.9468, 171.4308

32.9991, 40.6522,
59.7102

138.5574,
160.9114, 212.4350

22.2850, 28.0474,
42.7613

172.6241,
199.1010, 259.5058

14.1842, 18.3614,
29.3679

211.8617,
242.9002, 313.0618

8.3315, 11.2098,
19.1113

256.6354,
292.6933, 373.5216

4.3614, 6.2081,
11.5731

307.3107,

1.9085, 2.9720,

348.8648, 441.3037

6.3347

364.2529,
411.7989, 516.8266

■ 0.5818, 1.1171,
2.9776

■ 0.0000, 0.0000,
1.0832

■ 63.7288, 76.1556,
105.9484

■ 63.7288, 76.1556,
105.9484

■ 57.6714, 71.0251,
105.2773

■ 70.8789, 81.9064,
106.6815

■ 52.6365, 66.4727,
104.6640

■ 79.1740, 88.2993,
107.4783

■ 48.5554, 62.4646,
104.1055

■ 88.6706, 95.3656,
108.3417

■ 45.3481, 58.9589,
103.5979

95.0500, 100.0000,
108.9000

■ 42.9208, 55.9071,
103.1367

■ 41.1572, 53.2486,
102.7165

■ 40.5791, 52.2782,
102.5597

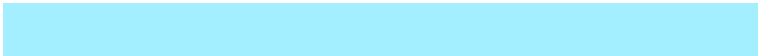
Harmonies

Analogous

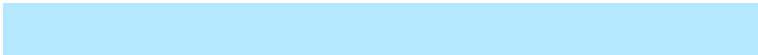
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.4708, 76.1556, 88.4538



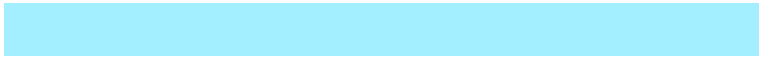
63.7288, 76.1556, 105.9484



68.3424, 76.1556, 118.2740

Triad

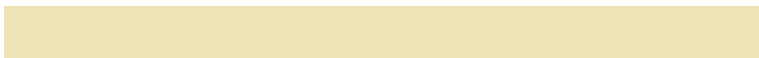
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.7288, 76.1556, 105.9484



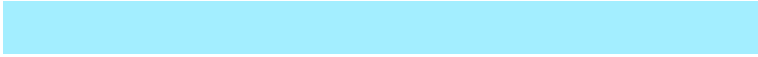
83.8568, 76.1556, 95.2848



70.5094, 76.1556, 54.1268

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63.7288, 76.1556, 105.9484



64.1725, 56.5470, 42.1846

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5811, 76.1556, 55.4237



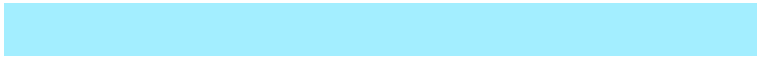
63.7288, 76.1556, 105.9484



84.5171, 76.1556, 77.6229

Square

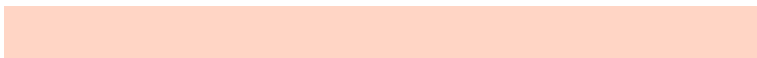
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



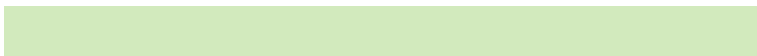
63.7288, 76.1556, 105.9484



80.0317, 76.1556, 111.5449



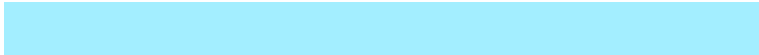
81.7885, 76.1556, 63.4973



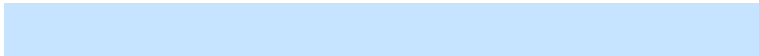
65.2390, 76.1556, 59.6669

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.7288, 76.1556, 105.9484



72.2465, 76.1556, 121.0183



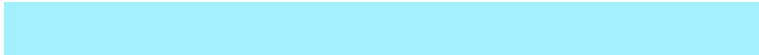
81.7885, 76.1556, 63.4973



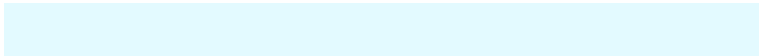
72.5209, 76.1556, 53.7969

Sweetspot

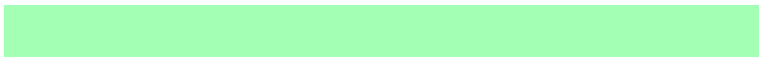
The Sweet Spot groups the original color and five complimentary colors.



63.7309, 76.1585, 105.9488



83.8418, 91.8009, 107.9081



59.0901, 82.5970, 55.9390



17.6722, 19.4453, 23.0718



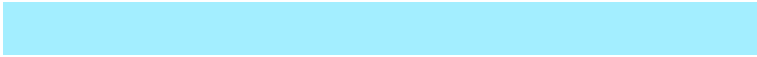
0.0000, 0.0000, 0.0000



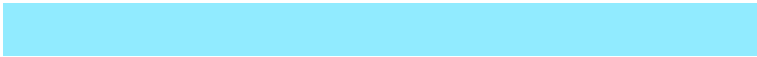
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.7309, 76.1585, 105.9488



59.4235, 72.5410, 105.4776



52.0346, 52.7660, 102.0501



18.2528, 19.8771, 23.1246



21.3061, 27.5219, 53.6239



2.1451, 2.8209, 5.2447

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.7712, 53.6291, 87.5663



66.3772, 47.6012, 84.0920



75.0117, 78.2254, 45.7977



18.6402, 18.2394, 21.9886



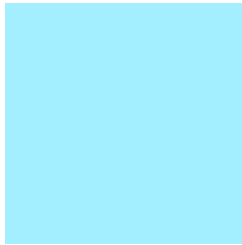
27.5426, 13.5063, 32.5712



2.7173, 1.3293, 3.3589

Previews

White Background



This preview shows how the XYZ color 63.7288, 76.1556, 105.9484 looks on a white background.

Color Contrast Check

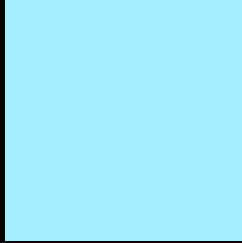
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 63.7288, 76.1556, 105.9484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7288, 76.1556, 105.9484

Background



This preview shows how black text looks on a background with the XYZ color 63.7288, 76.1556, 105.9484.

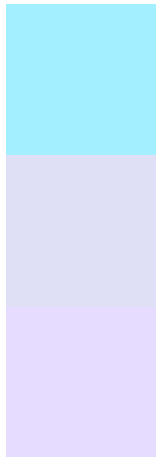


This preview shows how white text looks on a background with the XYZ color 63.7288, 76.1556,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

63.7288, 76.1556, 105.9484

Protanopia

73.7216, 75.6531, 97.9057

Deuteranopia

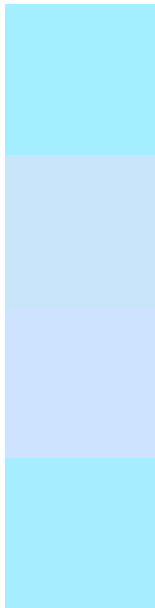
76.2763, 75.2294, 105.1083



Tritanopia

64.4826, 76.1132, 105.9005

Trichromacy



Original Color

63.7288, 76.1556, 105.9484

Protanomaly

69.2056, 75.2957, 100.5085

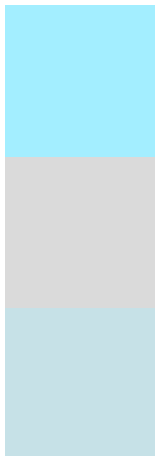
Deuteranomaly

70.9727, 75.2800, 105.3976

Tritanomaly

64.0601, 75.8954, 105.8807

Monochromacy



Original Color

63.7288, 76.1556, 105.9484

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

64.6377, 71.6257, 86.0197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7288, 76.1556, 105.9484 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(163, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 238, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(163, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.7288, 76.1556, 105.9484 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 238, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(163, 238, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(163, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7288, 76.1556, 105.9484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 238, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(163,  
238, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor