

Converting Colors

XYZ(74.1532, 80.3810,
153.7132)

Have a look what the booklet for
XYZ(74.1532, 80.3810, 153.7132)
contains.

XYZ(65.2021, 76.9151, 106.0173)	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(65.2021, 76.9151,
106.0173)**

Conversions

Conversions Part 1

Format	Color
Hex	AAEEFF
RGB	170, 238, 255
RGB Percent	67%, 93%, 100%
CMY	0.3333, 0.0666, 0.0000
CMYK	0.33, 0.07, 0.00, 0.00
HSL	192°, 100%, 83%
HSV	192°, 33%, 100%
XYZ	65.2021, 76.9151, 106.0173
YIQ	219.6060, -45.9850, -9.1290

Conversions

Conversions Part 2

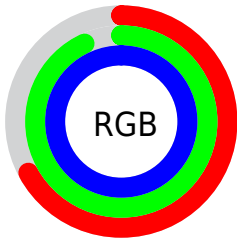
Format	Color
R _Y B	170, 208, 255
Decimal	11202303
CIE Lab	90.28, -17.14, -14.98
CIE LCh	90, 22.768, 221.157
Yxy	76.9151, 0.2628, 0.3100
Android (android.graphics.Color)	4289392383 (0xFFAAEEFF)
YUV	219.6060, 17.4492, -43.5045
Hunter-Lab	87.7013, -20.7701, -10.2816

Details

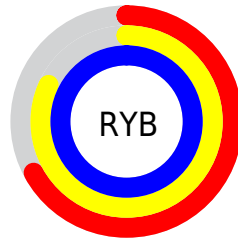
The XYZ color **65.2021, 76.9151, 106.0173** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.2663, 59.7029, 46.0633**, and the grayscale version is **67.6601, 71.1837, 77.5190**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **33.8604, 41.1105, 59.5766** is the 20% darker color. If you saturate the color by 10%, you get **58.7519, 71.4190, 105.2964**, and if you desaturate by 10%, it is **72.7676, 83.0523, 106.8032**.

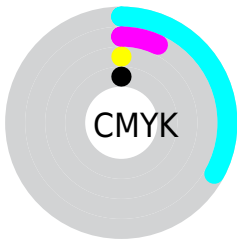
Distribution



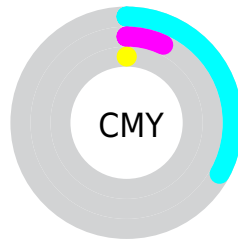
- Red (67%)
- Green (93%)
- Blue (100%)



- Red (67%)
- Yellow (82%)
- Blue (100%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2021, 76.9151, 106.0173 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 65.2021, 76.9151, 106.0173 by changing the saturation by 10% instead.

65.2021, 76.9151,
106.0173

65.2021, 76.9151,
106.0173

433.0516,
484.4745, 600.7279

47.8903, 57.1832,
80.6905

111.4045,
129.0196, 171.5258

33.9509, 41.1523,
59.7572

141.0257,
162.1610, 212.5445

23.0186, 28.4381,
42.7989

175.4808,
200.5411, 259.6310

14.7280, 18.6562,
29.3972

215.1351,
244.5442, 313.2037

8.7138, 11.4221,
19.1333

260.3540,
294.5546, 373.6812

4.6106, 6.3515,
11.5889

311.5028,

2.0530, 3.0600,

350.9569, 441.4820

6.3453

368.9469,
414.1354, 517.0247

■ 0.6635, 1.1631,
2.9840

■ 0.0000, 0.0313,
1.0865

■ 65.2021, 76.9151,
106.0173

■ 65.2021, 76.9151,
106.0173

■ 58.7519, 71.4190,
105.2964

■ 72.7676, 83.0523,
106.8032

■ 53.3484, 66.5225,
104.6361

■ 81.4996, 89.8520,
107.6554

■ 48.9250, 62.1927,
104.0335

■ 91.4535, 97.3449,
108.5771

■ 45.4042, 58.3891,
103.4849

95.0500, 100.0000,
108.9000

■ 42.6967, 55.0651,
102.9860

■ 40.6937, 52.1641,
102.5316

■ 39.6454, 50.4107,
102.2485

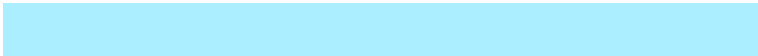
Harmonies

Analogous

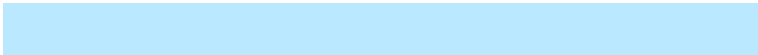
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.9246, 76.9151, 89.9340



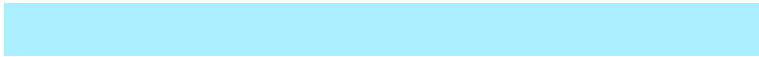
65.2021, 76.9151, 106.0173



69.6412, 76.9151, 116.9010

Triad

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



65.2021, 76.9151, 106.0173



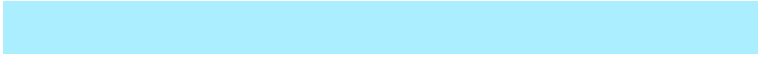
83.9140, 76.9151, 94.2398



71.0167, 76.9151, 56.7027

Complementary

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



65.2021, 76.9151, 106.0173



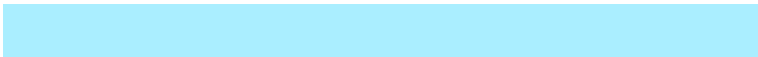
66.2663, 59.7029, 46.0633

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.



76.6828, 76.9151, 57.5419



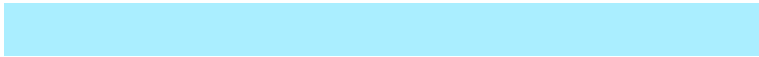
65.2021, 76.9151, 106.0173



84.3293, 76.9151, 77.8514

Square

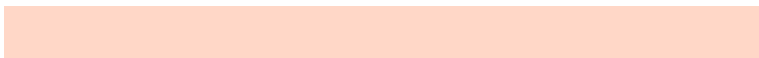
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



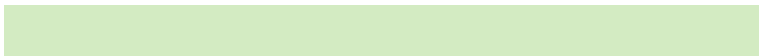
65.2021, 76.9151, 106.0173



80.5161, 76.9151, 109.5179



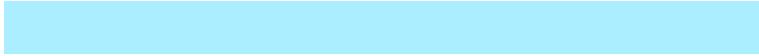
81.6231, 76.9151, 64.8374



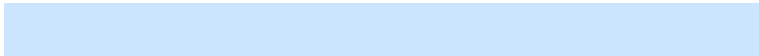
66.1641, 76.9151, 62.3744

Rectangle

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



65.2021, 76.9151, 106.0173



73.3257, 76.9151, 118.9951



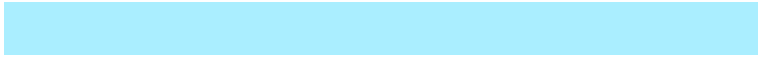
81.6231, 76.9151, 64.8374



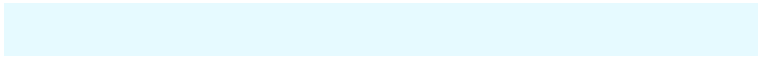
72.8857, 76.9151, 56.2539

Sweetspot

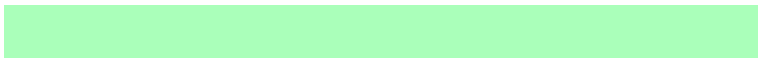
The Sweet Spot groups the original color and five complimentary colors.



65.2042, 76.9180, 106.0178



84.6778, 92.2701, 107.9547



61.1574, 83.5941, 59.1362



17.8340, 19.5293, 23.0795



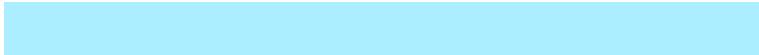
0.0000, 0.0000, 0.0000



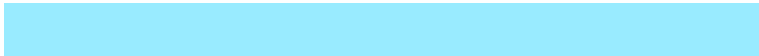
20.3446, 21.4041, 23.3091

Same Dimension

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



65.2042, 76.9180, 106.0178



60.7820, 73.1826, 105.5298



54.5763, 55.6623, 102.4752



18.2282, 19.8280, 23.1164



20.8240, 26.5577, 53.4632



2.1023, 2.7352, 5.2304

Inverse Universe

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



71.0487, 56.1842, 87.9922



67.5695, 50.0178, 84.3909



76.2627, 79.6958, 49.3955



18.6278, 18.2344, 21.9233



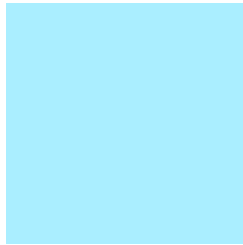
27.2992, 13.4090, 31.2898



2.6957, 1.3207, 3.2451

Previews

White Background



This preview shows how the XYZ color 65.2021, 76.9151, 106.0173 looks on a white background.

Color Contrast Check

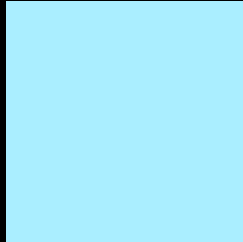
Large Text (above 18pt) WCAG AA × Fail

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 65.2021, 76.9151, 106.0173 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 65.2021, 76.9151, 106.0173

Background



This preview shows how black text looks on a background with the XYZ color 65.2021, 76.9151, 106.0173.

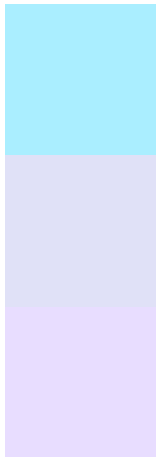


This preview shows how white text looks on a background with the XYZ color 65.2021, 76.9151,

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

65.2021, 76.9151, 106.0173

Protanopia

74.4542, 76.4131, 98.8207

Deuteranopia

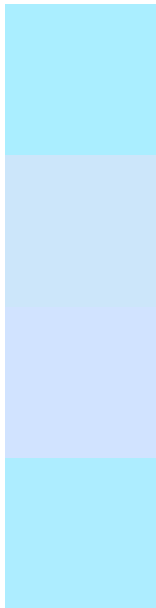
77.1852, 76.0887, 105.2262



Tritanopia

66.0134, 76.9023, 105.9721

Trichromacy



Original Color

65.2021, 76.9151, 106.0173

Protanomaly

70.4540, 76.3331, 101.4629

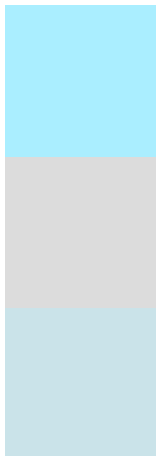
Deuteranomaly

71.8136, 75.7135, 105.4369

Tritanomaly

65.5678, 76.6726, 105.9512

Monochromacy



Original Color

65.2021, 76.9151, 106.0173

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.5342, 73.3779, 87.7474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2021, 76.9151, 106.0173 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(170, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.2021, 76.9151, 106.0173 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(170, 238, 255) }
```


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

```
.border{ border-color:rgb(170, 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(170, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2021, 76.9151, 106.0173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 238, 255) }
```

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

```
.background{ background-color: rgb(170,  
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](#).

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