

Converting Colors

XYZ(68.5887, 76.7894,
117.4907)

Have a look what the booklet for
XYZ(68.5887, 76.7894, 117.4907)
contains.

XYZ(66.2952, 75.7689, 105.7385)	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(66.2952, 75.7689,
105.7385)**

Conversions

Conversions Part 1

Format	Color
Hex	B4EAFF
RGB	180, 234, 255
RGB Percent	71%, 92%, 100%
CMY	0.2941, 0.0823, 0.0000
CMYK	0.29, 0.08, 0.00, 0.00
HSL	197°, 100%, 85%
HSV	197°, 29%, 100%
XYZ	66.2952, 75.7689, 105.7385
YIQ	220.2480, -38.9250, -4.9170

Conversions

Conversions Part 2

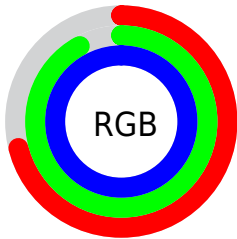
Format	Color
R _Y B	180, 211, 255
Decimal	11856639
CIE Lab	89.75, -12.40, -15.72
CIE LCh	90, 20.029, 231.732
Yxy	75.7689, 0.2675, 0.3058
Android (android.graphics.Color)	4290046719 (0xFFB4EAF5)
YUV	220.2480, 17.1327, -35.2975
Hunter-Lab	87.0453, -16.3807, -11.0909

Details

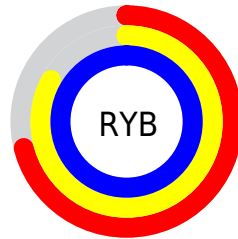
The XYZ color **66.2952, 75.7689, 105.7385** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.3650, 66.3283, 52.2759**, and the grayscale version is **68.1059, 71.6528, 78.0299**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **34.5709, 40.2780, 59.3784** is the 20% darker color. If you saturate the color by 10%, you get **58.9048, 69.0041, 104.8223**, and if you desaturate by 10%, it is **74.8637, 83.2663, 106.7340**.

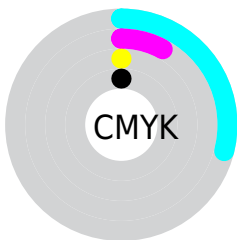
Distribution



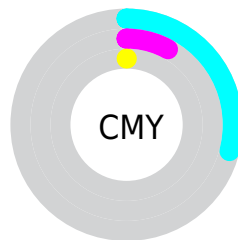
- Red (71%)
- Green (92%)
- Blue (100%)



- Red (71%)
- Yellow (83%)
- Blue (100%)



- Cyan (29%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2952, 75.7689, 105.7385 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 66.2952, 75.7689, 105.7385 by changing the saturation by 10% instead.

66.2952, 75.7689,
105.7385

66.2952, 75.7689,
105.7385

436.9039,
480.5562, 599.8414

48.7807, 56.2430,
80.4581

112.9653,
127.4002, 171.1415

34.6593, 40.3978,
59.5670

142.8516,
160.2744, 212.1012

23.5659, 27.8488,
42.6467

177.5925,
198.3668, 259.1243

15.1349, 18.2117,
29.2787

217.5534,
242.0619, 312.6295

9.0010, 11.1021,
19.0443

263.0996,
291.7439, 373.0353

4.7990, 6.1356,
11.5252

314.5965,

2.1633, 2.9277,

347.7974, 440.7601

6.3027

372.4095,
410.6067, 516.2227

■ 0.7233, 1.0941,
2.9582

■ 0.0000, 0.0000,
1.0733

■ 66.2952, 75.7689,
105.7385

■ 66.2952, 75.7689,
105.7385

■ 58.9048, 69.0041,
104.8223

■ 74.8637, 83.2663,
106.7340

■ 52.6253, 62.9304,
103.9809

■ 84.6603, 91.5179,
107.8104

■ 47.3921, 57.5148,
103.2114

95.0500, 100.0000,
108.9000

■ 43.1310, 52.7176,
102.5100

■ 39.7573, 48.4936,
101.8725

■ 37.1703, 44.7894,
101.2939

■ 35.2160, 41.5241,
100.7666

■ 35.1099, 41.3398,
100.7366

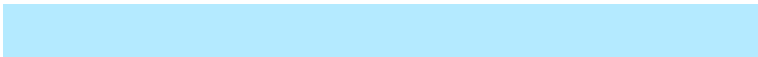
Harmonies

Analogous

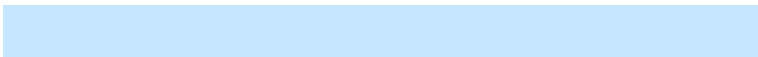
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.5528, 75.7689, 92.9808



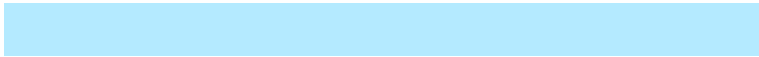
66.2952, 75.7689, 105.7385



70.6595, 75.7689, 112.4347

Triad

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



66.2952, 75.7689, 105.7385



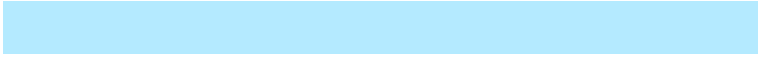
81.8248, 75.7689, 86.4712



68.5580, 75.7689, 59.7339

Complementary

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



66.2952, 75.7689, 105.7385



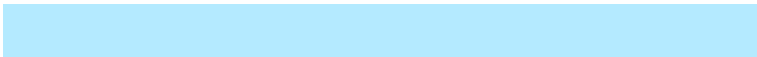
70.3650, 66.3283, 52.2759

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.



73.3899, 75.7689, 58.4136



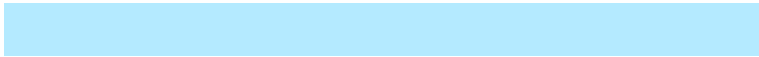
66.2952, 75.7689, 105.7385



81.1992, 75.7689, 72.8369

Square

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



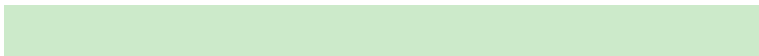
66.2952, 75.7689, 105.7385



79.7293, 75.7689, 100.5092



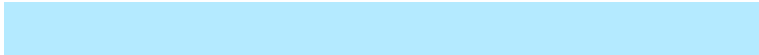
78.0569, 75.7689, 62.9422



64.8171, 75.7689, 66.7808

Rectangle

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



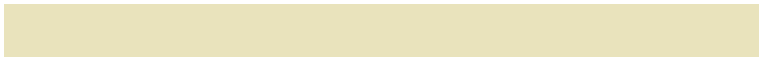
66.2952, 75.7689, 105.7385



73.9636, 75.7689, 112.0843



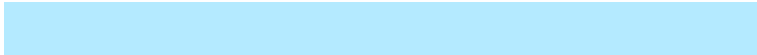
78.0569, 75.7689, 62.9422



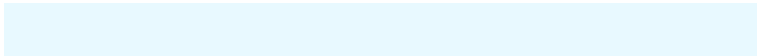
70.1030, 75.7689, 58.6405

Sweetspot

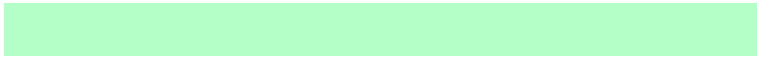
The Sweet Spot groups the original color and five complimentary colors.



66.2973, 75.7718, 105.7389



85.0894, 91.8731, 107.8563



65.0088, 85.3940, 67.7015



17.8891, 19.3963, 23.0510



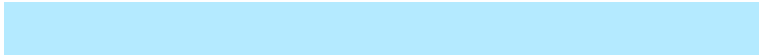
0.0000, 0.0000, 0.0000



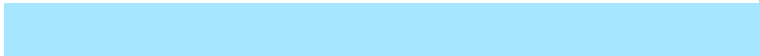
20.3446, 21.4041, 23.3091

Same Dimension

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



66.2973, 75.7718, 105.7389



62.0242, 71.9014, 105.2171



56.9538, 57.0849, 102.6244



18.0998, 19.5712, 23.0736



18.4782, 21.8661, 52.6812



1.8915, 2.3137, 5.1602

Inverse Universe

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



72.4139, 59.8447, 85.5797



69.1157, 54.1556, 81.6835



79.9080, 85.4142, 55.4569



18.5630, 18.2085, 21.5820



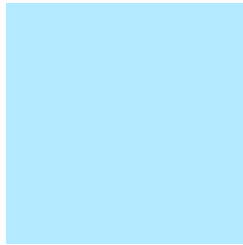
26.1152, 12.9354, 25.0546



2.5894, 1.2781, 2.6850

Previews

White Background



This preview shows how the XYZ color 66.2952, 75.7689, 105.7385 looks on a white background.

Color Contrast Check

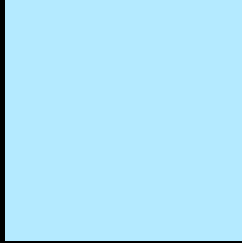
Large Text (above 18pt) WCAG AA × Fail

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 66.2952, 75.7689, 105.7385 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 66.2952, 75.7689, 105.7385

Background



This preview shows how black text looks on a background with the XYZ color 66.2952, 75.7689, 105.7385.



This preview shows how white text looks on a background with the XYZ color 66.2952, 75.7689,

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

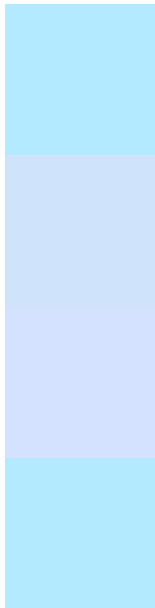




Tritanopia

65.9748, 75.6408, 104.0514

Trichromacy



Original Color

66.2952, 75.7689, 105.7385

Protanomaly

70.6138, 75.1686, 102.0540

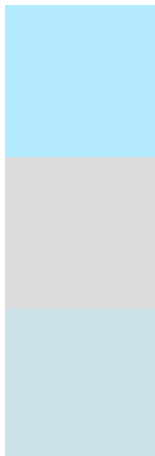
Deuteranomaly

72.1266, 75.0675, 105.2957

Tritanomaly

66.1346, 75.7047, 104.8927

Monochromacy



Original Color

66.2952, 75.7689, 105.7385

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.8100, 72.7128, 87.6045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2952, 75.7689, 105.7385 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(180, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 234, 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(180, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.2952, 75.7689, 105.7385 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(180, 234, 255) }
```


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

```
.border{ border-color:rgb(180, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2952, 75.7689, 105.7385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 234, 255) }
```

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

```
.background{ background-color: rgb(180,  
234, 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