

Converting Colors

XYZ(52.4816, 61.8175,
103.7736)

Have a look what the booklet for
XYZ(52.4816, 61.8175, 103.7736)
contains.

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Color

**XYZ(52.5357, 61.8323,
103.7736)**

Conversions

Conversions Part 1

Format	Color
Hex	85D9FF
RGB	133, 217, 255
RGB Percent	52%, 85%, 100%
CMY	0.4784, 0.1490, 0.0000
CMYK	0.48, 0.15, 0.00, 0.00
HSL	199°, 100%, 76%
HSV	199°, 48%, 100%
XYZ	52.5357, 61.8323, 103.7736
YIQ	196.2160, -62.2620, -5.9900

Conversions

Conversions Part 2

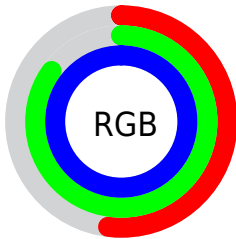
Format	Color
R _Y B	133, 183, 255
Decimal	8772095
CIE Lab	82.82, -15.63, -26.43
CIE LCh	83, 30.709, 239.409
Yxy	61.8323, 0.2408, 0.2835
Android (android.graphics.Color)	4286962175 (0xFF85D9FF)
YUV	196.2160, 28.9805, -55.4404
Hunter-Lab	78.6335, -18.3513, -23.2023

Details

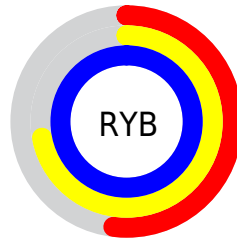
The XYZ color **52.5357, 61.8323, 103.7736** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **60.0372, 52.0800, 29.0803**, and the grayscale version is **52.4589, 55.1909, 60.1029**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **25.8610, 31.3343, 58.1112** is the 20% darker color. If you saturate the color by 10%, you get **46.9899, 56.0083, 102.9418**, and if you desaturate by 10%, it is **59.1607, 68.3616, 104.6847**.

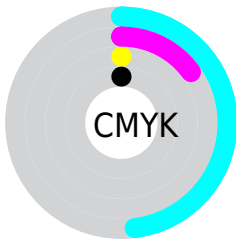
Distribution



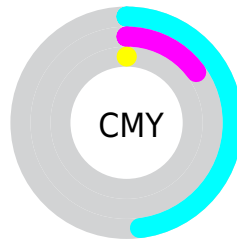
- Red (52%)
- Green (85%)
- Blue (100%)



- Red (52%)
- Yellow (72%)
- Blue (100%)



- Cyan (48%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5357, 61.8323, 103.7736 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 52.5357, 61.8323, 103.7736 by changing the saturation by 10% instead.

■ 52.5357, 61.8323,
103.7736

■ 52.5357, 61.8323,
103.7736

386.7913,
431.3191, 593.5743

■ 37.6582, 44.8972,
78.8214

■ 93.0904, 107.4831,
168.4303

■ 25.8936, 31.3765,
58.2285

■ 119.4983,
136.9676, 208.9719

■ 16.8763, 20.8857,
41.5765

■ 150.4804,
171.4041, 255.5470

■ 10.2411, 13.0405,
28.4467

186.4020,
211.1769, 308.5742

■ 5.6226, 7.4564,
18.4207

227.6286,
256.6704, 368.4719

■ 2.6554, 3.7491,
11.0799

274.5254,

■ 0.9743, 1.5342,

308.2690, 435.6589

6.0057

327.4579,
366.3571, 510.5535

■ 0.0000, 0.3127,
2.7797

■ 0.0000, 0.0000,
0.9833

■ 52.5357, 61.8323,
103.7736

■ 52.5357, 61.8323,
103.7736

■ 46.9899, 56.0083,
102.9418

■ 59.1607, 68.3616,
104.6847

■ 42.4446, 50.8430,
102.1844

■ 66.9256, 75.6254,
105.6776

■ 38.8184, 46.2936,
101.4974

■ 75.8928, 83.6593,
106.7556

■ 36.0134, 42.3076,
100.8758

■ 86.1181, 92.4938,
107.9219

■ 33.8989, 38.8155, 95.0500, 100.0000,
100.3132 108.9000

■ 33.4927, 38.1054,
100.1976

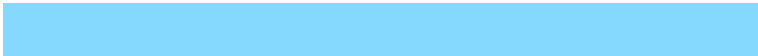
Harmonies

Analogous

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



48.3780, 61.8323, 86.8284



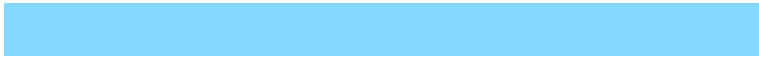
52.5357, 61.8323, 103.7736



58.6388, 61.8323, 110.6791

Triad

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



52.5357, 61.8323, 103.7736



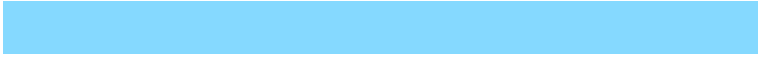
72.4179, 61.8323, 67.7010



52.7467, 61.8323, 40.3320

Complementary

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



52.5357, 61.8323, 103.7736



60.0372, 52.0800, 29.0803

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.



58.9009, 61.8323, 37.0907



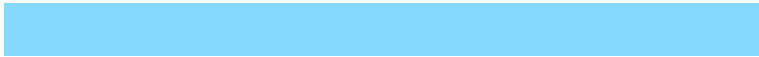
52.5357, 61.8323, 103.7736



70.5523, 61.8323, 50.9852

Square

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



52.5357, 61.8323, 103.7736



70.4043, 61.8323, 87.6011



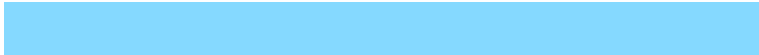
65.4784, 61.8323, 40.5994



48.4932, 61.8323, 50.4469

Rectangle

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



52.5357, 61.8323, 103.7736



63.0956, 61.8323, 107.8251



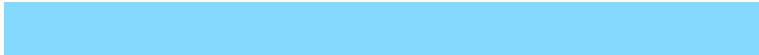
65.4784, 61.8323, 40.5994



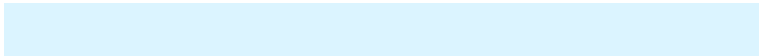
54.6463, 61.8323, 38.4971

Sweetspot

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



52.5375, 61.8346, 103.7740



79.6686, 86.9564, 107.1930



52.6519, 79.3943, 50.3835



16.5934, 18.2127, 22.8908



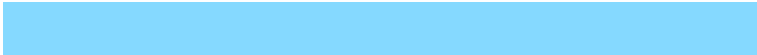
0.0000, 0.0000, 0.0000



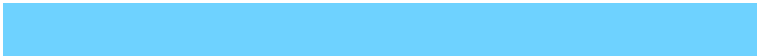
20.3446, 21.4041, 23.3091

Same Dimension

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



52.5375, 61.8346, 103.7740



47.4168, 56.4723, 103.0089



39.8492, 36.4579, 99.5445



18.0496, 19.4708, 23.0569



17.6399, 20.1894, 52.4018



1.8151, 2.1608, 5.1347

Inverse Universe

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



62.1531, 43.0464, 70.6811



58.3774, 36.9761, 64.8565



73.9384, 79.8823, 33.7141



18.5377, 18.1984, 21.4485



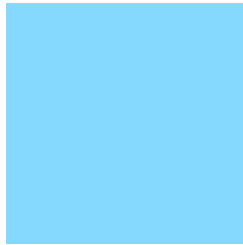
25.6920, 12.7661, 22.8264



2.5508, 1.2627, 2.4818

Previews

White Background



This preview shows how the XYZ color 52.5357, 61.8323, 103.7736 looks on a white background.

Color Contrast Check

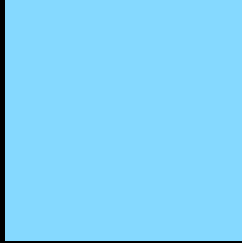
Large Text (above 18pt) WCAG AA × Fail

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 52.5357, 61.8323, 103.7736 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

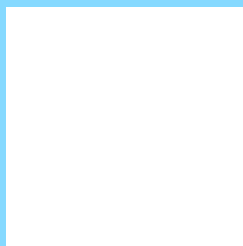
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.5357, 61.8323, 103.7736

Background



This preview shows how black text looks on a background with the XYZ color 52.5357, 61.8323, 103.7736.



This preview shows how white text looks on a background with the XYZ color 52.5357, 61.8323,

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

52.5357, 61.8323, 103.7736

Protanopia

60.7554, 61.1015, 95.7804

Deuteranopia

62.4592, 61.4668, 103.1801



Tritanopia

49.9279, 61.9486, 90.2147

Trichromacy



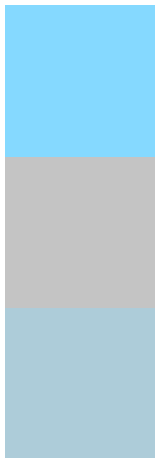
Original Color
52.5357, 61.8323, 103.7736

Protanomaly
56.8883, 60.8355, 98.3666

Deuteranomaly
57.8184, 60.8443, 103.3045

Tritanomaly
50.8666, 61.9405, 94.8627

Monochromacy



Original Color
52.5357, 61.8323, 103.7736

Achromatopsia
52.4687, 55.2011, 60.1140

Achromatomaly
51.3508, 57.0797, 73.9567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5357, 61.8323, 103.7736 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(133, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 217, 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(133, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.5357, 61.8323, 103.7736 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(133, 217, 255) }
```


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

```
.border{ border-color:rgb(133, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5357, 61.8323, 103.7736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 217, 255) }
```

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

```
.background{ background-color: rgb(133,  
217, 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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