

Converting Colors

XYZ(51.8287, 69.8061, 95.5363)

Have a look what the booklet for
XYZ(51.8287, 69.8061, 95.5363)
contains.

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Color

**XYZ(51.8287, 69.8061,
95.5363)**

Conversions

Conversions Part 1

Format	Color
Hex	65EDF3
RGB	101, 237, 243
RGB Percent	40%, 93%, 95%
CMY	0.6039, 0.0706, 0.0471
CMYK	0.58, 0.02, 0.00, 0.05
HSL	183°, 86%, 67%
HSV	183°, 58%, 95%
XYZ	51.8287, 69.8061, 95.5363
YIQ	197.0200, -82.9820, -26.9660

Conversions

Conversions Part 2

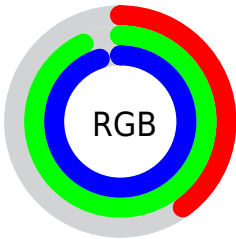
Format	Color
R _Y B	101, 170, 243
Decimal	6680051
CIE Lab	86.90, -35.05, -14.05
CIE LCh	87, 37.764, 201.846
Yxy	69.8061, 0.2387, 0.3214
Android (android.graphics.Color)	4284870131 (0xFF65EDF3)
YUV	197.0200, 22.6681, -84.2095
Hunter-Lab	83.5500, -35.4835, -9.3108

Details

The XYZ color **51.8287, 69.8061, 95.5363** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **44.5703, 30.5113, 15.8541**, and the grayscale version is **52.9886, 55.7481, 60.7097**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **25.5436, 36.6614, 52.7438** is the 20% darker color. If you saturate the color by 10%, you get **49.2038, 68.0145, 95.3301**, and if you desaturate by 10%, it is **55.2637, 72.0209, 95.7840**.

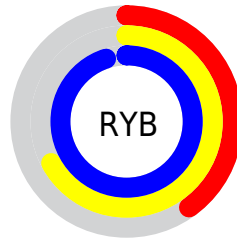
Distribution



Red (40%)

Green (93%)

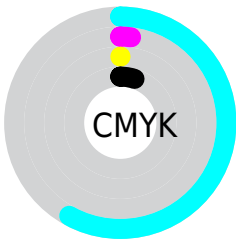
Blue (95%)



Red (40%)

Yellow (67%)

Blue (95%)

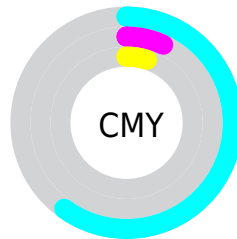


Cyan (58%)

Magenta (2%)

Yellow (0%)

Black (5%)



Cyan (60%)

Magenta (7%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8287, 69.8061, 95.5363 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 51.8287, 69.8061, 95.5363 by changing the saturation by 10% instead.

51.8287, 69.8061,
95.5363

51.8287, 69.8061,
95.5363

384.1098,
459.8689, 566.9086

37.0923, 51.3685,
71.9821

92.0543, 118.9322,
157.0073

25.4529, 36.5019,
52.6573

118.2741,
150.3895, 195.7611

16.5454, 24.8221,
37.1434

149.0525,
186.9554, 240.4185

10.0042, 15.9446,
25.0219

184.7548,
229.0144, 291.3981

5.4640, 9.4849,
15.8742

225.7463,
276.9508, 349.1183

2.5595, 5.0588,
9.2818

272.3924,

0.9254, 2.2818,

331.1491, 413.9978

4.8261

325.0584,
391.9937, 486.4550

■ 0.0000, 0.7641,
2.0887

■ 0.0000, 0.0000,
0.6090

■ 51.8287, 69.8061,
95.5363

■ 51.8287, 69.8061,
95.5363

■ 49.2038, 68.0145,
95.3301

■ 55.2637, 72.0209,
95.7840

■ 47.3093, 66.6005,
95.1570


■ 59.5666, 74.6842,
96.0713


■ 46.0610, 65.5220,
95.0146


■ 64.7976, 77.8284,
96.4025


■ 45.3355, 64.7156,
94.8972


■ 71.0093, 81.4807,
96.7801


 45.2424, 64.6001,
94.8798

 78.2507, 85.6664,
97.2063

 86.5675, 90.4090,
97.6834

 89.8255, 92.5463,
97.9242

 90.1355, 93.1664,
98.0276

 90.4473, 93.7899,
98.1315

Harmonies

Analogous

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



50.9468, 69.8061, 69.3288



51.8287, 69.8061, 95.5363



56.4200, 69.8061, 120.9182

Triad

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



51.8287, 69.8061, 95.5363



80.5874, 69.8061, 110.1070



68.7814, 69.8061, 37.3741

Complementary

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



51.8287, 69.8061, 95.5363



44.5703, 30.5113, 15.8541

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.



77.3786, 69.8061, 43.8724



51.8287, 69.8061, 95.5363



84.5783, 69.8061, 83.1008

Square

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



51.8287, 69.8061, 95.5363



72.8569, 69.8061, 130.5442



83.3548, 69.8061, 59.3388



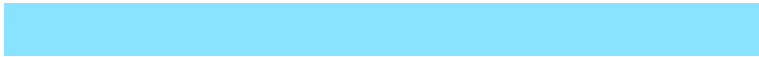
60.2399, 69.8061, 39.2711

Rectangle

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



51.8287, 69.8061, 95.5363



61.2072, 69.8061, 132.0842



83.3548, 69.8061, 59.3388



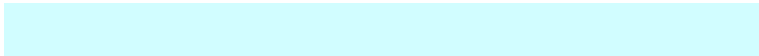
71.7702, 69.8061, 38.5864

Sweetspot

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



51.8308, 69.8087, 95.5380



79.5174, 91.0791, 107.9967



40.0068, 67.9045, 24.5634



16.5596, 19.2259, 23.0881



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.



51.8308, 69.8087, 95.5380



54.4720, 75.5802, 106.3252



35.4141, 36.9753, 90.0657



16.9332, 18.6307, 21.2462



24.8564, 35.5066, 52.0814



2.2029, 3.1572, 4.5835

Inverse Universe

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



56.9037, 34.4785, 83.7793



60.7186, 33.2419, 91.5843



54.9824, 51.3355, 19.3248



17.1816, 16.7555, 20.7029



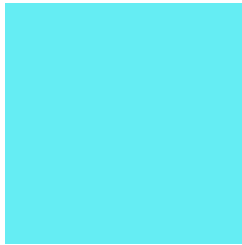
28.3509, 13.6838, 43.4176



2.5010, 1.2064, 3.8646

Previews

White Background



This preview shows how the XYZ color 51.8287, 69.8061, 95.5363 looks on a white background.

Color Contrast Check

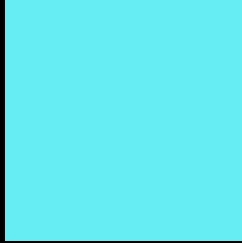
Large Text (above 18pt) WCAG AA × Fail

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 51.8287, 69.8061, 95.5363 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 51.8287, 69.8061, 95.5363

Background



This preview shows how black text looks on a background with the XYZ color 51.8287, 69.8061, 95.5363.

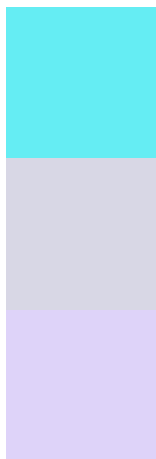


This preview shows how white text looks on a background with the XYZ color 51.8287, 69.8061,

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

51.8287, 69.8061, 95.5363

Protanopia

66.7622, 68.8570, 83.9007

Deuteranopia

70.5173, 68.9577, 99.2160



Tritanopia

53.5416, 69.6366, 104.3852

Trichromacy



Original Color

51.8287, 69.8061, 95.5363



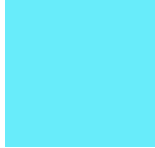
Protanomaly

58.6945, 67.7145, 87.8186



Deuteranomaly

60.7418, 67.3668, 97.7973



Tritanomaly

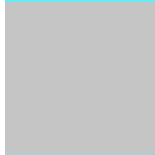
52.9597, 69.8361, 101.1309

Monochromacy



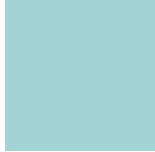
Original Color

51.8287, 69.8061, 95.5363



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.5814, 59.6234, 72.4609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8287, 69.8061, 95.5363 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(101, 237, 243)` looks like.

```
.text, #text, p{  
    color:rgb(101, 237, 243)  
}
```

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(101, 237, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 237, 243) }
```

Border

The CSS property to change the border of an element to XYZ 51.8287, 69.8061, 95.5363 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(101, 237, 243) }
```


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

```
.border{ border-color:rgb(101, 237, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 237, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 237, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 237, 243);  
box-shadow:4px 4px 4px 4px rgb(101, 237,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8287, 69.8061, 95.5363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 237, 243) }
```

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

```
.background{ background-color: rgb(101,  
237, 243) }
```

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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