

Converting Colors

XYZ(53.1464, 65.2247, 96.0147)

Have a look what the booklet for
XYZ(53.1464, 65.2247, 96.0147)
contains.

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Color

**XYZ(53.1288, 65.0548,
96.1428)**

Conversions

Conversions Part 1

Format	Color
Hex	87E0F5
RGB	135, 224, 245
RGB Percent	53%, 88%, 96%
CMY	0.4706, 0.1216, 0.0392
CMYK	0.45, 0.09, 0.00, 0.04
HSL	191°, 85%, 75%
HSV	191°, 45%, 96%
XYZ	53.1288, 65.0548, 96.1428
YIQ	199.7830, -59.7850, -12.3370

Conversions

Conversions Part 2

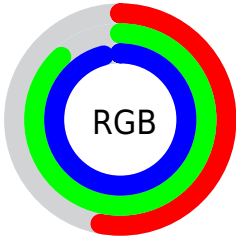
Format	Color
RYB	135, 184, 245
Decimal	8904949
CIELab	84.51, -21.36, -18.58
CIELCh	85, 28.312, 221.008
Yxy	65.0548, 0.2479, 0.3035
Android (android.graphics.Color)	4287095029 (0xFF87E0F5)
YUV	199.7830, 22.2920, -56.8147
Hunter-Lab	80.6566, -23.5703, -14.2142

Details

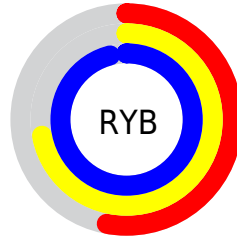
The XYZ color **53.1288, 65.0548, 96.1428** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **53.9192, 44.9400, 28.7560**, and the grayscale version is **54.6616, 57.5083, 62.6265**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **26.3538, 33.5866, 53.2380** is the 20% darker color. If you saturate the color by 10%, you get **48.3919, 60.7739, 95.5673**, and if you desaturate by 10%, it is **58.8112, 69.8774, 96.7753**.

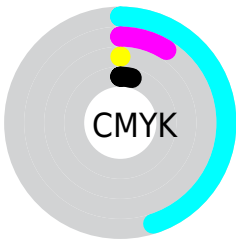
Distribution



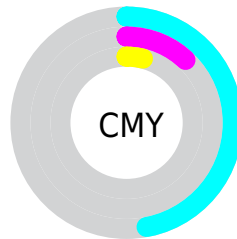
- Red (53%)
- Green (88%)
- Blue (96%)



- Red (53%)
- Yellow (72%)
- Blue (96%)



- Cyan (45%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)



- Cyan (47%)
- Magenta (12%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1288, 65.0548, 96.1428 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 53.1288, 65.0548, 96.1428 by changing the saturation by 10% instead.

53.1288, 65.0548,
96.1428

53.1288, 65.0548,
96.1428

389.0319,
442.9889, 568.8946

38.1335, 47.5055,
72.4844

93.9583, 112.1286,
157.8516

26.2640, 33.4355,
53.0652

120.5232,
142.4220, 196.7391

17.1550, 22.4602,
37.4667

151.6753,
177.7321, 241.5400

10.4410, 14.1955,
25.2705

187.7800,
218.4435, 292.6728

5.7568, 8.2567,
16.0578

229.2026,
264.9405, 350.5562

2.7370, 4.2597,
9.4103

276.3086,

1.0163, 1.8199,

317.6074, 415.6085

4.9093

329.4632,
376.8287, 488.2485

■ 0.0000, 0.4995,
2.1363

■ 0.0000, 0.0000,
0.6373

■ 53.1288, 65.0548,
96.1428

■ 53.1288, 65.0548,
96.1428

■ 48.3919, 60.7739,
95.5673

■ 58.8112, 69.8774,
96.7753

■ 44.5312, 56.9941,
95.0412

■ 65.4904, 75.2642,
97.4630

■ 41.4772, 53.6807,
94.5626

■ 73.2211, 81.2452,
98.2100

■ 39.1470, 50.7904,
94.1276

■ 82.0521, 87.8459,
99.0187

■ 37.4384, 48.2704,
93.7312

■ 91.1013, 94.6120,
99.8477

■ 36.7288, 47.0870,
93.5402

■ 92.5526, 97.5145,
100.3315

■ 93.4816, 99.3727,
100.6411

Harmonies

Analogous

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



50.6806, 65.0548, 77.6717



53.1288, 65.0548, 96.1428



57.9710, 65.0548, 108.9927

Triad

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



53.1288, 65.0548, 96.1428



74.0177, 65.0548, 82.7429



59.5467, 65.0548, 41.9285

Complementary

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



53.1288, 65.0548, 96.1428



53.9192, 44.9400, 28.7560

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.



65.8621, 65.0548, 42.8167



53.1288, 65.0548, 96.1428



74.5113, 65.0548, 64.4092

Square

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



53.1288, 65.0548, 96.1428



70.1327, 65.0548, 100.3939



71.4387, 65.0548, 50.4084



54.2147, 65.0548, 47.7328

Rectangle

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



53.1288, 65.0548, 96.1428



62.0462, 65.0548, 111.5237



71.4387, 65.0548, 50.4084



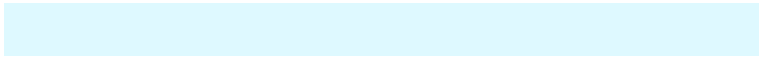
61.6196, 65.0548, 41.4835

Sweetspot

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



53.1308, 65.0573, 96.1443



81.9026, 90.2746, 107.7158



48.5761, 72.8293, 42.5830



17.0972, 18.9941, 23.0150



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.



53.1308, 65.0573, 96.1443



53.3667, 66.9031, 104.7086



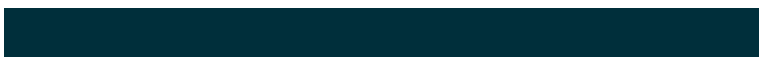
40.8184, 40.4325, 92.0402



16.7121, 18.1886, 21.1725



19.8836, 25.5610, 50.4238



1.8151, 2.3817, 4.4543

Inverse Universe

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



59.7764, 42.1242, 75.5039



61.7392, 39.6938, 78.3271



65.1186, 67.3390, 32.4892



17.0700, 16.7109, 20.1153



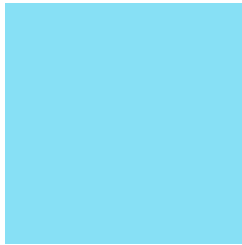
25.8409, 12.6798, 30.2000



2.3053, 1.1281, 2.8338

Previews

White Background



This preview shows how the XYZ color 53.1288, 65.0548, 96.1428 looks on a white background.

Color Contrast Check

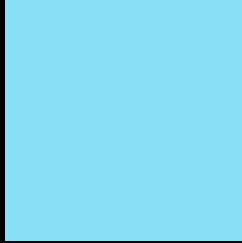
Large Text (above 18pt) WCAG AA × Fail

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 53.1288, 65.0548, 96.1428 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 53.1288, 65.0548, 96.1428

Background



This preview shows how black text looks on a background with the XYZ color 53.1288, 65.0548, 96.1428.



This preview shows how white text looks on a background with the XYZ color 53.1288, 65.0548,

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

53.1288, 65.0548, 96.1428

Protanopia

63.0049, 64.2317, 87.6745

Deuteranopia

65.7942, 64.3511, 98.5758



Tritanopia

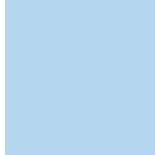
52.6648, 64.8507, 94.5357

Trichromacy



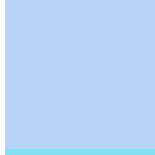
Original Color

53.1288, 65.0548, 96.1428



Protanomaly

58.4489, 64.0284, 90.9395



Deuteranomaly

60.0152, 63.9316, 97.9838



Tritanomaly

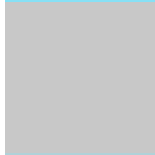
52.8163, 64.9113, 95.3334

Monochromacy



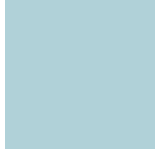
Original Color

53.1288, 65.0548, 96.1428



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

53.0996, 59.7889, 73.7075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1288, 65.0548, 96.1428 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(135, 224, 245)` looks like.

```
.text, #text, p{  
    color:rgb(135, 224, 245)  
}
```

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(135, 224, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 224, 245) }
```

Border

The CSS property to change the border of an element to XYZ 53.1288, 65.0548, 96.1428 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(135, 224, 245) }
```


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

```
.border{ border-color:rgb(135, 224, 245) }
```

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

Here you see how a box with a 4 pixel rgb(135, 224, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 224, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 224, 245);  
box-shadow:4px 4px 4px 4px rgb(135, 224,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1288, 65.0548, 96.1428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 224, 245) }
```

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

```
.background{ background-color: rgb(135,  
224, 245) }
```

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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