

Converting Colors

XYZ(45.5378, 58.9215, 65.9959)

Have a look what the booklet for
XYZ(45.5378, 58.9215, 65.9959)
contains.

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Color

**XYZ(45.7036, 59.1362,
66.1323)**

Conversions

Conversions Part 1

Format	Color
Hex	87D9CC
RGB	135, 217, 204
RGB Percent	53%, 85%, 80%
CMY	0.4706, 0.1490, 0.2000
CMYK	0.38, 0.00, 0.06, 0.15
HSL	170°, 52%, 69%
HSV	170°, 38%, 85%
XYZ	45.7036, 59.1362, 66.1323
YIQ	191.0000, -44.6990, -21.4270

Conversions

Conversions Part 2

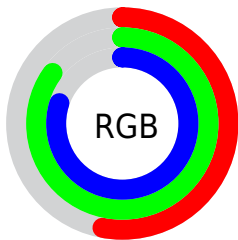
Format	Color
RYB	135, 180, 217
Decimal	8903116
CIELab	81.37, -27.96, -1.50
CIELCh	81, 28.005, 183.073
Yxy	59.1362, 0.2673, 0.3459
Android (android.graphics.Color)	4287093196 (0xFF87D9CC)
YUV	191.0000, 6.4090, -49.1120
Hunter-Lab	76.9001, -28.4882, 2.8420

Details

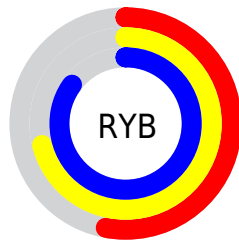
The XYZ color **45.7036, 59.1362, 66.1323** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.6266, 34.2194, 32.3776**, and the grayscale version is **49.5052, 52.0833, 56.7188**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **21.7336, 29.7481, 33.4506** is the 20% darker color. If you saturate the color by 10%, you get **42.1539, 57.3549, 63.8366**, and if you desaturate by 10%, it is **49.9774, 61.2927, 68.5121**.

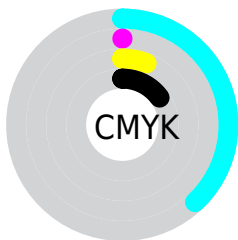
Distribution



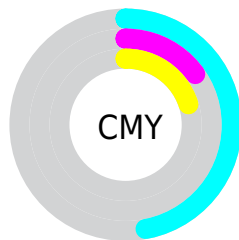
- Red (53%)
- Green (85%)
- Blue (80%)



- Red (53%)
- Yellow (71%)
- Blue (85%)



- Cyan (38%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)



- Cyan (47%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7036, 59.1362, 66.1323 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 45.7036, 59.1362, 66.1323 by changing the saturation by 10% instead.

■ 45.7036, 59.1362,
66.1323

■ 45.7036, 59.1362,
66.1323

360.3517,
421.4065, 465.2670

■ 32.2156, 42.7228,
47.9226

■ 83.0058, 103.5756,
115.3050

■ 21.6826, 29.6677,
33.4061

■ 107.5508,
132.3703, 147.1051

■ 13.7392, 19.5865,
22.1640

■ 136.5121,
166.0610, 184.2725

■ 8.0200, 12.0948,
13.7780

170.2551,
205.0319, 227.2257

■ 4.1596, 6.8083,
7.8295

209.1453,
249.6675, 276.3832

■ 1.7928, 3.3425,
3.8998

253.5478,

■ 0.5133, 1.3130,

300.3522, 332.1635

1.5705

303.8282,
357.4704, 394.9853

■ 0.0000, 0.1513,
0.2697

■ 0.0000, 0.0000,
0.0000

■ 45.7036, 59.1362,
66.1323

■ 45.7036, 59.1362,
66.1323

■ 42.1539, 57.3549,
63.8366

■ 49.9774, 61.2927,
68.5121

■ 39.2796, 55.9193,
61.6185

■ 55.0100, 63.8378,
70.9739


■ 37.0341, 54.8068,
59.4769


■ 60.8402, 66.7931,
73.5214


■ 35.3626, 53.9891,
57.4088


■ 67.5024, 70.1761,
76.1562


 34.2007, 53.4331,
55.4109


 75.0292, 74.0038,
78.8803


 33.4583, 53.0924,
53.4788

 79.5963, 76.3047,
81.5150

 33.3190, 53.0297,
53.0587

 80.0696, 76.4940,
84.0074

 80.5525, 76.6871,
86.5499

 81.0448, 76.8841,
89.1428

Harmonies

Analogous

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



46.7603, 59.1362, 50.8710



45.7036, 59.1362, 66.1323



47.2959, 59.1362, 83.6238

Triad

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



45.7036, 59.1362, 66.1323



62.5737, 59.1362, 95.3431



61.4581, 59.1362, 39.7200

Complementary

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



45.7036, 59.1362, 66.1323



42.6266, 34.2194, 32.3776

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.



66.1730, 59.1362, 48.3565



45.7036, 59.1362, 66.1323



66.8478, 59.1362, 80.1123

Square

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



45.7036, 59.1362, 66.1323



56.8125, 59.1362, 102.2251



68.2081, 59.1362, 62.6771



55.6061, 59.1362, 37.2739

Rectangle

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



45.7036, 59.1362, 66.1323



49.7145, 59.1362, 93.7374



68.2081, 59.1362, 62.6771



63.2418, 59.1362, 41.9117

Sweetspot

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



45.7053, 59.1386, 66.1337



84.7649, 94.7796, 104.7239



41.5215, 57.7356, 31.8785



17.8937, 20.1603, 22.3073



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.



45.7053, 59.1386, 66.1337



61.8749, 83.2202, 92.7733



40.8592, 46.8454, 72.5368



13.3515, 14.7922, 16.3141



20.2013, 32.1131, 32.2892



1.3331, 2.0902, 2.2200

Inverse Universe

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



42.6266, 34.2194, 32.3776



56.8646, 42.5733, 37.7694



45.9695, 42.4611, 28.6958



13.1398, 13.0850, 13.9975



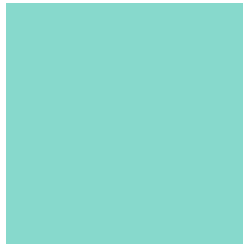
17.5258, 9.0114, 1.8828



1.1621, 0.5945, 0.2625

Previews

White Background



This preview shows how the XYZ color 45.7036, 59.1362, 66.1323 looks on a white background.

Color Contrast Check

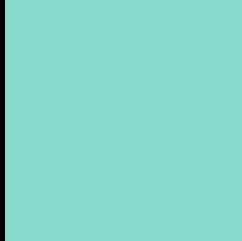
Large Text (above 18pt) WCAG AA × Fail

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 45.7036, 59.1362, 66.1323 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

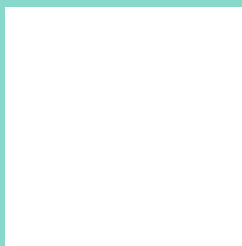
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7036, 59.1362, 66.1323

Background



This preview shows how black text looks on a background with the XYZ color 45.7036, 59.1362, 66.1323.

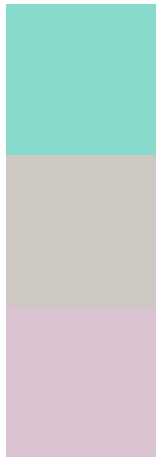


This preview shows how white text looks on a background with the XYZ color 45.7036, 59.1362,

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

45.7036, 59.1362, 66.1323

Protanopia

55.9582, 58.3705, 59.9471

Deuteranopia

59.6390, 58.3854, 68.4478



Tritanopia

49.2325, 59.0525, 83.6663

Trichromacy



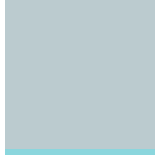
Original Color

45.7036, 59.1362, 66.1323



Protanomaly

51.0867, 57.9231, 61.9138



Deuteranomaly

53.1119, 57.7817, 67.3852



Tritanomaly

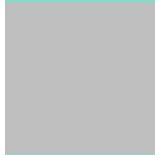
47.7452, 58.8026, 77.2402

Monochromacy



Original Color

45.7036, 59.1362, 66.1323



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

47.4127, 53.9520, 60.1394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7036, 59.1362, 66.1323 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, 217, 204)` looks like.

```
.text, #text, p{  
    color:rgb(135, 217, 204)  
}
```

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, 217, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 217, 204) }
```

Border

The CSS property to change the border of an element to XYZ 45.7036, 59.1362, 66.1323 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, 217, 204) }
```


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

```
.border{ border-color:rgb(135, 217, 204) }
```

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

Here you see how a box with a 4 pixel rgb(135, 217, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 217, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 217, 204);  
box-shadow:4px 4px 4px 4px rgb(135, 217,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7036, 59.1362, 66.1323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 217, 204) }
```

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

```
.background{ background-color: rgb(135,  
217, 204) }
```

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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