

Converting Colors

XYZ(45.7671, 59.1711, 61.7024)

Have a look what the booklet for
XYZ(45.7671, 59.1711, 61.7024)
contains.

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Color

**XYZ(45.8754, 59.3196,
61.8553)**

Conversions

Conversions Part 1

Format	Color
Hex	8DD9C5
RGB	141, 217, 197
RGB Percent	55%, 85%, 77%
CMY	0.4470, 0.1490, 0.2274
CMYK	0.35, 0.00, 0.09, 0.15
HSL	164°, 50%, 70%
HSV	164°, 35%, 85%
XYZ	45.8754, 59.3196, 61.8553
YIQ	191.9960, -38.8760, -22.3320

Conversions

Conversions Part 2

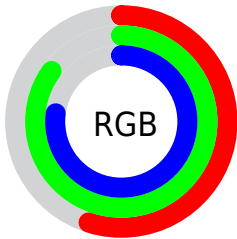
Format	Color
RYB	141, 185, 217
Decimal	9296325
CIELab	81.47, -27.91, 2.41
CIELCh	81, 28.011, 175.074
Yxy	59.3196, 0.2746, 0.3551
Android (android.graphics.Color)	4287486405 (0xFF8DD9C5)
YUV	191.9960, 2.4670, -44.7235
Hunter-Lab	77.0192, -28.4627, 6.2968

Details

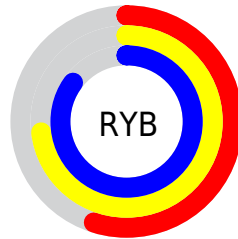
The XYZ color **45.8754, 59.3196, 61.8553** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.5752, 36.3763, 38.3925**, and the grayscale version is **50.1042, 52.7136, 57.4051**.

A 20% lighter version of the original color is **76.6754, 90.5461, 107.2019**, and **21.8087, 29.8501, 30.5988** is the 20% darker color. If you saturate the color by 10%, you get **41.8992, 57.3455, 58.3185**, and if you desaturate by 10%, it is **50.6027, 61.6811, 65.5593**.

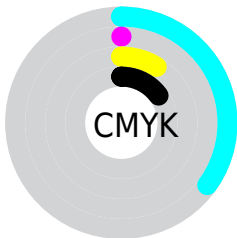
Distribution



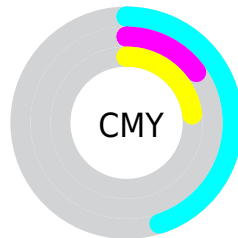
- Red (55%)
- Green (85%)
- Blue (77%)



- Red (55%)
- Yellow (73%)
- Blue (85%)



- Cyan (35%)
- Magenta (0%)
- Yellow (9%)
- Black (15%)



- Cyan (45%)
- Magenta (15%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8754, 59.3196, 61.8553 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 45.8754, 59.3196, 61.8553 by changing the saturation by 10% instead.

■ 45.8754, 59.3196,
61.8553

■ 45.8754, 59.3196,
61.8553

361.0318,
422.0853, 449.3962

■ 32.3517, 42.8704,
44.4808

■ 83.2615, 103.8420,
109.0859

■ 21.7871, 29.7835,
30.7087

■ 107.8546,
132.6841, 139.7791

■ 13.8163, 19.6743,
20.1205

136.8683,
166.4259, 175.7489

■ 8.0739, 12.1585,
12.2977

170.6678,
205.4519, 217.4139

■ 4.1944, 6.8517,
6.8218

209.6186,
250.1464, 265.1925

■ 1.8127, 3.3695,
3.2741

254.0859,

■ 0.5253, 1.3276,

300.8939, 319.5034

1.2363

304.4352,
358.0787, 380.7651

■ 0.0000, 0.1624,
0.0087

■ 0.0000, 0.0000,
0.0000

■ 45.8754, 59.3196,
61.8553

■ 45.8754, 59.3196,
61.8553

■ 41.8992, 57.3455,
58.3185

■ 50.6027, 61.6811,
65.5593

■ 38.6263, 55.7296,
54.9413


■ 56.1153, 64.4430,
69.4296


■ 36.0113, 54.4501,
51.7216


■ 62.4512, 67.6264,
73.4706


■ 34.0013, 53.4797,
48.6552


■ 69.6447, 71.2489,
77.6853


 32.5347, 52.7867,
45.7380


 77.7278, 75.3271,
82.0765


 31.5364, 52.3324,
42.9648

 80.5157, 76.6725,
86.3561

 31.1496, 52.1620,
41.6348

 81.3370, 77.0010,
90.6812

 82.1849, 77.3402,
95.1462

 83.0597, 77.6901,
99.7525

Harmonies

Analogous

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



47.6313, 59.3196, 47.8063



45.8754, 59.3196, 61.8553



46.7712, 59.3196, 79.2665

Triad

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



45.8754, 59.3196, 61.8553



61.2972, 59.3196, 98.4823



63.0877, 59.3196, 41.5620

Complementary

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



45.8754, 59.3196, 61.8553



44.5752, 36.3763, 38.3925

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.



67.2256, 59.3196, 51.8453



45.8754, 59.3196, 61.8553



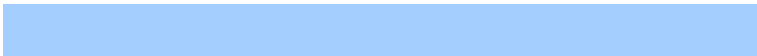
66.1427, 59.3196, 84.9008

Square

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



45.8754, 59.3196, 61.8553



55.4187, 59.3196, 102.4077



68.3804, 59.3196, 67.4020



57.3554, 59.3196, 37.4582

Rectangle

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



45.8754, 59.3196, 61.8553



48.7865, 59.3196, 90.2619



68.3804, 59.3196, 67.4020



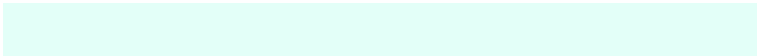
64.7265, 59.3196, 44.3137

Sweetspot

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



45.8771, 59.3220, 61.8567



84.3068, 94.5964, 102.3118



44.3742, 59.1560, 34.2799



17.7840, 20.1164, 21.7297



0.0000, 0.0000, 0.0000



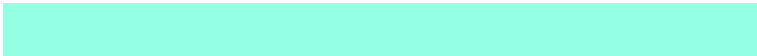
20.3446, 21.4041, 23.3091

Same Dimension

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



45.8771, 59.3220, 61.8567



61.7940, 83.3423, 85.3676



43.9955, 51.6443, 73.2979



13.2909, 14.7680, 15.9950



18.9012, 31.5931, 25.4426



1.2592, 2.0606, 1.8312

Inverse Universe

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



44.5752, 36.3763, 38.3925



59.6593, 45.5465, 46.7664



45.7772, 41.3812, 30.7750



13.1960, 13.1075, 14.2936



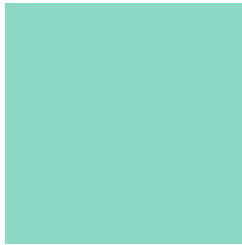
17.8082, 9.1243, 3.3699



1.1891, 0.6053, 0.4046

Previews

White Background



This preview shows how the XYZ color 45.8754, 59.3196, 61.8553 looks on a white background.

Color Contrast Check

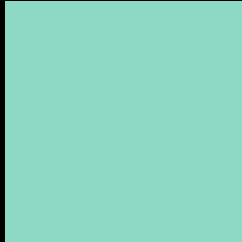
Large Text (above 18pt) WCAG AA × Fail

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 45.8754, 59.3196, 61.8553 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 45.8754, 59.3196, 61.8553

Background



This preview shows how black text looks on a background with the XYZ color 45.8754, 59.3196, 61.8553.



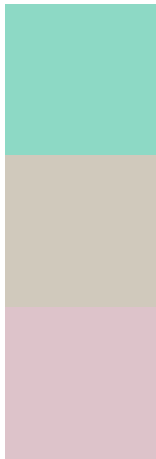
This preview shows how white text looks on a background with the XYZ color 45.8754, 59.3196,

61.8553.

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

45.8754, 59.3196, 61.8553

Protanopia

55.9762, 58.8140, 55.9789

Deuteranopia

59.9946, 58.6666, 64.0389



Tritanopia

50.0808, 59.1337, 82.9031

Trichromacy



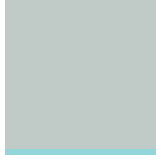
Original Color

45.8754, 59.3196, 61.8553



Protanomaly

51.4840, 58.5776, 57.8833



Deuteranomaly

53.5195, 58.0885, 63.0350



Tritanomaly

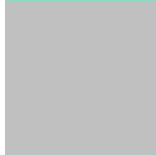
48.4250, 59.2139, 74.5228

Monochromacy



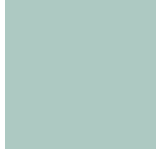
Original Color

45.8754, 59.3196, 61.8553



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

47.8578, 54.5526, 59.0463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8754, 59.3196, 61.8553 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(141, 217, 197)` looks like.

```
.text, #text, p{  
    color:rgb(141, 217, 197)  
}
```

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(141, 217, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 217, 197) }
```

Border

The CSS property to change the border of an element to XYZ 45.8754, 59.3196, 61.8553 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(141, 217, 197) }
```


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

```
.border{ border-color:rgb(141, 217, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 217, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 217, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 217, 197);  
box-shadow:4px 4px 4px 4px rgb(141, 217,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8754, 59.3196, 61.8553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 217, 197) }
```

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

```
.background{ background-color: rgb(141,  
217, 197) }
```

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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