

Converting Colors

XYZ(40.2716, 50.3097, 58.0403)

Have a look what the booklet for
XYZ(40.2716, 50.3097, 58.0403)
contains.

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Color

**XYZ(40.2716, 50.3097,
58.0403)**

Conversions

Conversions Part 1

Format	Color
Hex	87C8C1
RGB	135, 200, 193
RGB Percent	53%, 78%, 76%
CMY	0.4706, 0.2157, 0.2431
CMYK	0.32, 0.00, 0.04, 0.22
HSL	174°, 37%, 66%
HSV	174°, 32%, 78%
XYZ	40.2716, 50.3097, 58.0403
YIQ	179.7670, -36.4930, -15.9570

Conversions

Conversions Part 2

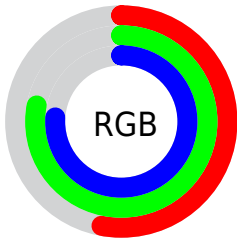
Format	Color
RYB	135, 169, 200
Decimal	8898753
CIELab	76.26, -22.13, -3.10
CIElCh	76, 22.343, 187.966
Yxy	50.3097, 0.2710, 0.3385
Android (android.graphics.Color)	4287088833 (0xFF87C8C1)
YUV	179.7670, 6.5239, -39.2607
Hunter-Lab	70.9293, -22.7792, 1.1345

Details

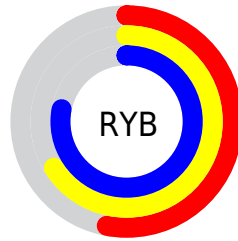
The XYZ color **40.2716, 50.3097, 58.0403** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.3676, 31.5617, 29.7157**, and the grayscale version is **43.2388, 45.4906, 49.5393**.

A 20% lighter version of the original color is **74.0941, 89.3067, 102.9553**, and **18.4922, 24.2451, 28.5161** is the 20% darker color. If you saturate the color by 10%, you get **37.1128, 48.7101, 56.6479**, and if you desaturate by 10%, it is **44.0413, 52.2263, 59.4818**.

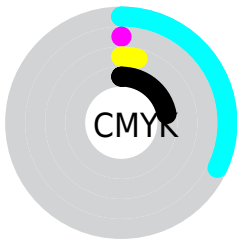
Distribution



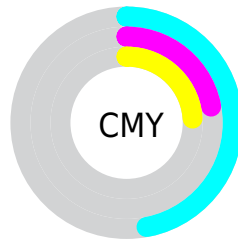
- Red (53%)
- Green (78%)
- Blue (76%)



- Red (53%)
- Yellow (66%)
- Blue (78%)



- Cyan (32%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)



- Cyan (47%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2716, 50.3097, 58.0403 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 40.2716, 50.3097, 58.0403 by changing the saturation by 10% instead.

■ 40.2716, 50.3097,
58.0403

■ 40.2716, 50.3097,
58.0403

338.3818,
387.8758, 434.9385

■ 27.9355, 35.6595,
41.4261

■ 74.8586, 90.6336,
103.4969

■ 18.4173, 24.1714,
28.3300

■ 97.8403, 117.0761,
133.1764

■ 11.3515, 15.4608,
18.3334

■ 125.1012,
148.2181, 168.0481

■ 6.3728, 9.1434,
11.0177

157.0067,
184.4442, 208.5306

■ 3.1159, 4.8348,
5.9644

193.9222,
226.1386, 255.0423

■ 1.2153, 2.1507,
2.7550

236.2129,

■ 0.1184, 0.6929,

273.6857, 308.0018

0.9709

284.2444,
327.4700, 367.8277

■ 0.0000, 0.0000,
0.0000

■ 40.2716, 50.3097,
58.0403

■ 40.2716, 50.3097,
58.0403

■ 37.1128, 48.7101,
56.6479

■ 44.0413, 52.2263,
59.4818

■ 34.5266, 47.4041,
55.2994

■ 48.4488, 54.4701,
60.9703

■ 32.4771, 46.3743,
53.9941

■ 53.5247, 57.0581,
62.5086

■ 30.9227, 45.5993,
52.7301

■ 59.2964, 60.0043,
64.0980

■ 29.8155, 45.0545,
51.5049

■ 65.7896, 63.3220,
65.7397

■ 29.0979, 44.7102,
50.3159

■ 73.0271, 67.0230,
67.4349

■ 28.7371, 44.5431,
49.4442

■ 73.2906, 67.1284,
68.8225

■ 73.5577, 67.2353,
70.2290

■ 73.8284, 67.3436,
71.6546

Harmonies

Analogous

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



40.7290, 50.3097, 46.5672



40.2716, 50.3097, 58.0403



41.7409, 50.3097, 70.2417

Triad

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



40.2716, 50.3097, 58.0403



52.9496, 50.3097, 75.0665



50.9058, 50.3097, 36.0467

Complementary

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



40.2716, 50.3097, 58.0403



37.3676, 31.5617, 29.7157

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.



54.4578, 50.3097, 41.7699



40.2716, 50.3097, 58.0403



55.6850, 50.3097, 63.9029

Square

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



40.2716, 50.3097, 58.0403



48.9435, 50.3097, 80.9666



56.2524, 50.3097, 51.6417



46.7096, 50.3097, 34.9509

Rectangle

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



40.2716, 50.3097, 58.0403



43.6688, 50.3097, 76.7695



56.2524, 50.3097, 51.6417



52.2217, 50.3097, 37.4480

Sweetspot

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



40.2731, 50.3117, 58.0415



85.8437, 95.3047, 106.1770



36.2847, 48.8624, 30.4417



18.1180, 20.2686, 22.6459



0.0000, 0.0000, 0.0000



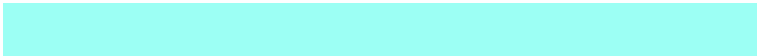
20.3446, 21.4041, 23.3091

Same Dimension

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



40.2731, 50.3117, 58.0415



65.7561, 85.0922, 98.7751



35.7647, 40.0151, 60.4846



10.8956, 12.0471, 13.4003



18.2915, 28.3290, 31.5431



0.8806, 1.3472, 1.5698

Inverse Universe

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



37.3676, 31.5617, 29.7157



59.9602, 47.6490, 42.2401



40.7507, 39.1430, 28.3302



10.6795, 10.6552, 11.2958



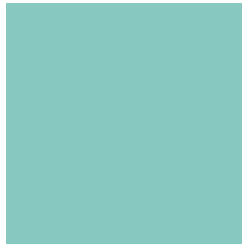
15.2510, 7.8500, 1.2658



0.7382, 0.3781, 0.1445

Previews

White Background



This preview shows how the XYZ color 40.2716, 50.3097, 58.0403 looks on a white background.

Color Contrast Check

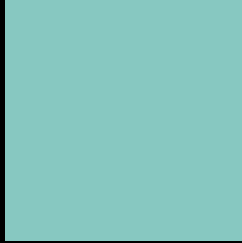
Large Text (above 18pt) WCAG AA × Fail

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 40.2716, 50.3097, 58.0403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

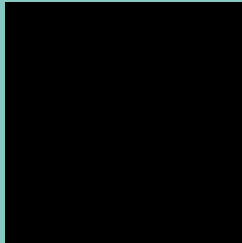
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2716, 50.3097, 58.0403

Background



This preview shows how black text looks on a background with the XYZ color 40.2716, 50.3097, 58.0403.

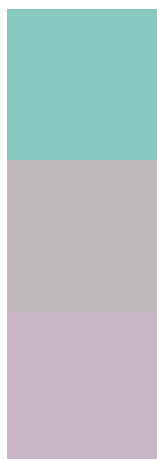


This preview shows how white text looks on a background with the XYZ color 40.2716, 50.3097,

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

40.2716, 50.3097, 58.0403

Protanopia

47.8017, 49.6970, 52.9720

Deuteranopia

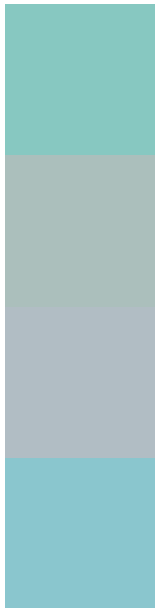
50.8934, 49.9046, 59.7735



Tritanopia

42.7917, 50.3120, 70.4066

Trichromacy



Original Color

40.2716, 50.3097, 58.0403

Protanomaly

44.5025, 49.5504, 54.7956

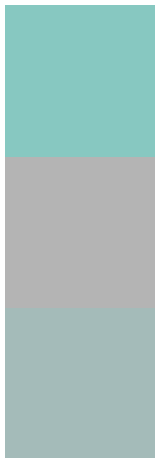
Deuteranomaly

46.2929, 49.7278, 59.3831

Tritanomaly

41.8159, 50.2477, 65.8874

Monochromacy



Original Color

40.2716, 50.3097, 58.0403

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.8371, 46.9359, 52.7534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2716, 50.3097, 58.0403 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, 200, 193)` looks like.

```
.text, #text, p{  
    color:rgb(135, 200, 193)  
}
```

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, 200, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 200, 193) }
```

Border

The CSS property to change the border of an element to XYZ 40.2716, 50.3097, 58.0403 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, 200, 193) }
```


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

```
.border{ border-color:rgb(135, 200, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 200, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 200, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 200, 193);  
box-shadow:4px 4px 4px 4px rgb(135, 200,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2716, 50.3097, 58.0403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 200, 193) }
```

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

```
.background{ background-color: rgb(135,  
200, 193) }
```

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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