

Converting Colors

XYZ(40.7500, 50.8798, 59.1520)

Have a look what the booklet for
XYZ(40.7500, 50.8798, 59.1520)
contains.

XYZ(40.7286, 50.8643, 59.3009)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.7286, 50.8643,
59.3009)**

Conversions

Conversions Part 1

Format	Color
Hex	87C9C3
RGB	135, 201, 195
RGB Percent	53%, 79%, 76%
CMY	0.4706, 0.2117, 0.2353
CMYK	0.33, 0.00, 0.03, 0.21
HSL	175°, 38%, 66%
HSV	175°, 33%, 79%
XYZ	40.7286, 50.8643, 59.3009
YIQ	180.5820, -37.4100, -15.8580

Conversions

Conversions Part 2

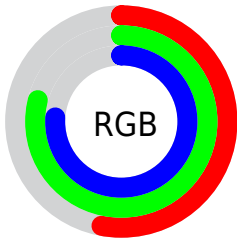
Format	Color
RYB	135, 170, 201
Decimal	8899011
CIELab	76.60, -22.17, -3.68
CIELCh	77, 22.471, 189.424
Yxy	50.8643, 0.2699, 0.3371
Android (android.graphics.Color)	4287089091 (0xFF87C9C3)
YUV	180.5820, 7.1081, -39.9754
Hunter-Lab	71.3192, -22.8718, 0.6247

Details

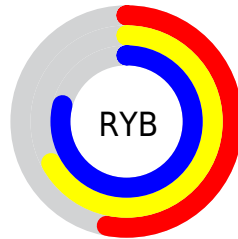
The XYZ color **40.7286, 50.8643, 59.3009** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.5608, 31.6699, 29.3344**, and the grayscale version is **43.6739, 45.9483, 50.0377**.

A 20% lighter version of the original color is **74.4078, 89.4322, 104.6072**, and **18.7211, 24.5844, 28.9579** is the 20% darker color. If you saturate the color by 10%, you get **37.5899, 49.2712, 58.0827**, and if you desaturate by 10%, it is **44.4833, 52.7772, 60.5634**.

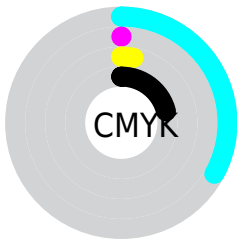
Distribution



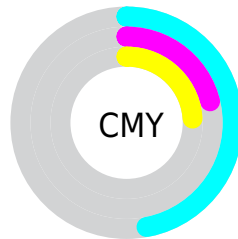
- Red (53%)
- Green (79%)
- Blue (76%)



- Red (53%)
- Yellow (67%)
- Blue (79%)



- Cyan (33%)
- Magenta (0%)
- Yellow (3%)
- Black (21%)



- Cyan (47%)
- Magenta (21%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7286, 50.8643, 59.3009 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 40.7286, 50.8643, 59.3009 by changing the saturation by 10% instead.

■ 40.7286, 50.8643,
59.3009

■ 40.7286, 50.8643,
59.3009

340.2670,
390.0363, 439.7490

■ 28.2938, 36.1006,
42.4338

■ 75.5490, 91.4542,
105.3483

■ 18.6888, 24.5119,
29.1130

■ 98.6654, 118.0491,
135.3656

■ 11.5483, 15.7138,
18.9200

■ 126.0730,
149.3566, 170.6035

■ 6.5069, 9.3219,
11.4363

158.1372,
185.7611, 211.4803

■ 3.1993, 4.9517,
6.2432

195.2233,
227.6469, 258.4148

■ 1.2600, 2.2190,
2.9224

237.6968,

■ 0.1530, 0.7303,

275.3985, 311.8254

1.0551

285.9229,
329.4001, 372.1306

■ 0.0000, 0.0000,
0.0000

■ 40.7286, 50.8643,
59.3009

■ 40.7286, 50.8643,
59.3009

■ 37.5899, 49.2712,
58.0827

■ 44.4833, 52.7772,
60.5634

■ 35.0283, 47.9742,
56.9035

■ 48.8814, 55.0202,
61.8681

■ 33.0075, 46.9555,
55.7628

■ 53.9539, 57.6105,
63.2177

■ 31.4849, 46.1935,
54.6584

■ 59.7285, 60.5625,
64.6136

■ 30.4120, 45.6630,
53.5881

■ 66.2313, 63.8896,
66.0568

■ 29.7301, 45.3337,
52.5491

■ 73.2644, 67.4898,
67.5384

■ 29.4060, 45.1825,
51.8204

■ 73.4878, 67.5791,
68.7147

■ 73.7137, 67.6695,
69.9047

■ 73.9423, 67.7610,
71.1084

Harmonies

Analogous

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



41.0960, 50.8643, 47.5636



40.7286, 50.8643, 59.3009



42.3076, 50.8643, 71.6012

Triad

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



40.7286, 50.8643, 59.3009



53.7184, 50.8643, 75.4828



51.2719, 50.8643, 36.2467

Complementary

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



40.7286, 50.8643, 59.3009



37.5608, 31.6699, 29.3344

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.



54.9310, 50.8643, 41.8190



40.7286, 50.8643, 59.3009



56.3999, 50.8643, 64.0147

Square

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



40.7286, 50.8643, 59.3009



49.6945, 50.8643, 81.8047



56.8562, 50.8643, 51.6408



47.0202, 50.8643, 35.3673

Rectangle

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



40.7286, 50.8643, 59.3009



44.3091, 50.8643, 78.0556



56.8562, 50.8643, 51.6408



52.6188, 50.8643, 37.5895

Sweetspot

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



40.7301, 50.8663, 59.3021



85.9117, 95.3319, 106.5351



36.3481, 49.2401, 30.5111



18.1346, 20.2753, 22.7331



0.0000, 0.0000, 0.0000



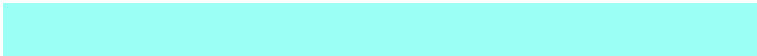
20.3446, 21.4041, 23.3091

Same Dimension

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



40.7301, 50.8663, 59.3021



66.0111, 85.1942, 100.1181



35.7880, 39.8740, 61.0709



10.9035, 12.0503, 13.4421



18.5064, 28.4149, 32.6750



0.8888, 1.3504, 1.6128

Inverse Universe

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



37.5608, 31.6699, 29.3344



59.8077, 47.5880, 41.4372



41.2772, 39.7982, 28.4289



10.6724, 10.6523, 11.2581



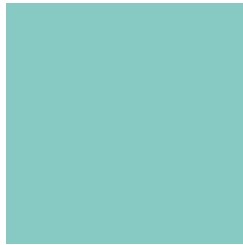
15.2303, 7.8417, 1.1569



0.7349, 0.3768, 0.1272

Previews

White Background



This preview shows how the XYZ color 40.7286, 50.8643, 59.3009 looks on a white background.

Color Contrast Check

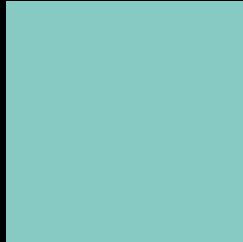
Large Text (above 18pt) WCAG AA × Fail

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 40.7286, 50.8643, 59.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

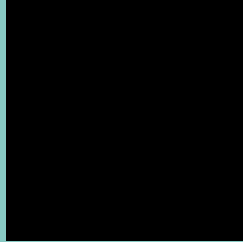
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7286, 50.8643, 59.3009

Background



This preview shows how black text looks on a background with the XYZ color 40.7286, 50.8643, 59.3009.

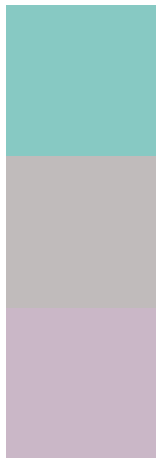


This preview shows how white text looks on a background with the XYZ color 40.7286, 50.8643,

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

40.7286, 50.8643, 59.3009

Protanopia

48.4782, 50.3350, 54.1743

Deuteranopia

51.5994, 50.5471, 61.0698



Tritanopia

43.1469, 50.8187, 71.1532

Trichromacy



Original Color

40.7286, 50.8643, 59.3009

Protanomaly

44.9385, 50.0749, 56.0121

Deuteranomaly

46.9666, 50.3691, 60.6729

Tritanomaly

42.1671, 50.7551, 66.6058

Monochromacy



Original Color

40.7286, 50.8643, 59.3009

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.1560, 47.4041, 53.3824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7286, 50.8643, 59.3009 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, 201, 195)` looks like.

```
.text, #text, p{  
    color:rgb(135, 201, 195)  
}
```

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, 201, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 201, 195) }
```

Border

The CSS property to change the border of an element to XYZ 40.7286, 50.8643, 59.3009 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, 201, 195) }
```


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

```
.border{ border-color:rgb(135, 201, 195) }
```

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

Here you see how a box with a 4 pixel rgb(135, 201, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 201, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 201, 195);  
box-shadow:4px 4px 4px 4px rgb(135, 201,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7286, 50.8643, 59.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 201, 195) }
```

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

```
.background{ background-color: rgb(135,  
201, 195) }
```

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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