

Converting Colors

XYZ(42.1213, 58.1806, 60.6397)

Have a look what the booklet for
XYZ(42.1213, 58.1806, 60.6397)
contains.

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Color

**XYZ(42.1213, 58.1806,
60.6397)**

Conversions

Conversions Part 1

Format	Color
Hex	72DBC3
RGB	114, 219, 195
RGB Percent	45%, 86%, 76%
CMY	0.5529, 0.1412, 0.2353
CMYK	0.48, 0.00, 0.11, 0.14
HSL	166°, 59%, 65%
HSV	166°, 48%, 86%
XYZ	42.1213, 58.1806, 60.6397
YIQ	184.8690, -54.8760, -29.7240

Conversions

Conversions Part 2

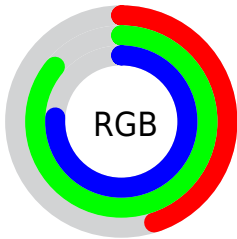
Format	Color
RYB	114, 173, 219
Decimal	7527363
CIELab	80.84, -36.21, 2.41
CIELCh	81, 36.286, 176.184
Yxy	58.1806, 0.2617, 0.3615
Android (android.graphics.Color)	4285717443 (0xFF72DBC3)
YUV	184.8690, 4.9946, -62.1521
Hunter-Lab	76.2762, -34.9120, 6.2577

Details

The XYZ color **42.1213, 58.1806, 60.6397** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.8202, 28.9313, 27.5325**, and the grayscale version is **46.0377, 48.4352, 52.7460**.

A 20% lighter version of the original color is **70.1858, 87.2557, 104.4096**, and **19.4262, 28.9017, 29.7540** is the 20% darker color. If you saturate the color by 10%, you get **39.0502, 56.6632, 57.5915**, and if you desaturate by 10%, it is **45.8965, 60.0618, 63.8225**.

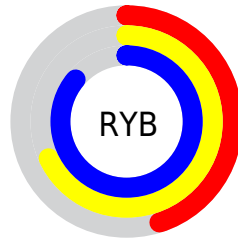
Distribution



Red (45%)

Green (86%)

Blue (76%)



Red (45%)

Yellow (68%)

Blue (86%)

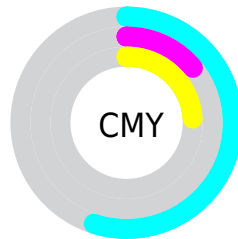


Cyan (48%)

Magenta (0%)

Yellow (11%)

Black (14%)



Cyan (55%)


Magenta (14%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1213, 58.1806, 60.6397 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 42.1213, 58.1806, 60.6397 by changing the saturation by 10% instead.


 42.1213, 58.1806,
60.6397


 42.1213, 58.1806,
60.6397


345.9686,
417.8586, 444.8216


 29.3878, 41.9539,
43.5058


 77.6472, 102.1858,
107.3095

 19.5201, 29.0652,
29.9478


 101.1703,
130.7331, 137.6825

 12.1529, 19.1301,
19.5473

 129.0206,
164.1559, 173.3056

 6.9209, 11.7643,
11.8856

161.5636,
202.8388, 214.5973

 3.4586, 6.5834,
6.5442

199.1645,
247.1662, 261.9763

 1.4006, 3.2030,
3.1046

242.1888,

 0.2567, 1.2386,

297.5223, 315.8609

1.1483

291.0017,
354.2916, 376.6699

■ 0.0000, 0.0929,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.1213, 58.1806,
60.6397

■ 42.1213, 58.1806,
60.6397

■ 39.0502, 56.6632,
57.5915

■ 45.8965, 60.0618,
63.8225

■ 36.6288, 55.4770,
54.6705


■ 50.4158, 62.3228,
67.1389


■ 34.8022, 54.5954,
51.8746


■ 55.7217, 64.9871,
70.5930

■ 33.5044, 53.9842,
49.1995


■ 61.8521, 68.0743,
74.1876


 32.6418, 53.5953,
46.6400


 68.8426, 71.6025,
77.9253

 32.4884, 53.5274,
46.1267

 76.7265, 75.5890,
81.8084

 80.8618, 77.6408,
85.6207

 81.5754, 77.9262,
89.3782

 82.3093, 78.2198,
93.2430

Harmonies

Analogous

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



44.1615, 58.1806, 43.0309



42.1213, 58.1806, 60.6397



43.3406, 58.1806, 83.3775

Triad

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



42.1213, 58.1806, 60.6397



61.9098, 58.1806, 108.1112



63.7195, 58.1806, 34.8566

Complementary

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



42.1213, 58.1806, 60.6397



39.8202, 28.9313, 27.5325

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.



69.2764, 58.1806, 46.8156



42.1213, 58.1806, 60.6397



68.1671, 58.1806, 89.2268

Square

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



42.1213, 58.1806, 60.6397



54.3447, 58.1806, 114.1421



70.9728, 58.1806, 66.1374



56.2642, 58.1806, 30.4284

Rectangle

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



42.1213, 58.1806, 60.6397



45.9031, 58.1806, 98.0693



70.9728, 58.1806, 66.1374



65.8966, 58.1806, 37.9754

Sweetspot

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



42.1229, 58.1829, 60.6410



81.8275, 93.3321, 101.5678



38.9348, 57.3264, 24.9337



17.1239, 19.7804, 21.5055



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.



42.1229, 58.1829, 60.6410



54.9121, 79.8827, 81.0650



38.3582, 45.9556, 73.8691



13.3109, 14.7760, 16.1000



19.3069, 31.7554, 27.5792



1.2826, 2.0700, 1.9540

Inverse Universe

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



39.8202, 28.9313, 27.5325



51.3091, 33.7166, 28.9674



41.9256, 35.6228, 20.5869



13.1774, 13.1000, 14.1952



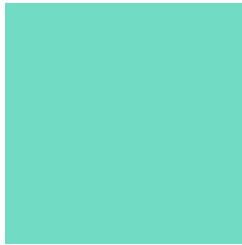
17.6990, 9.0807, 2.7952



1.1797, 0.6015, 0.3553

Previews

White Background



This preview shows how the XYZ color 42.1213, 58.1806, 60.6397 looks on a white background.

Color Contrast Check

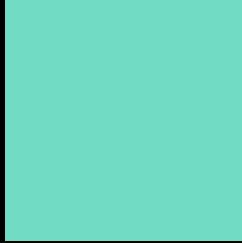
Large Text (above 18pt) WCAG AA × Fail

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 42.1213, 58.1806, 60.6397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

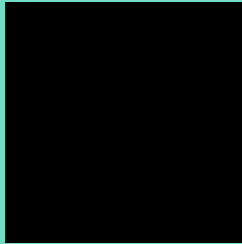
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

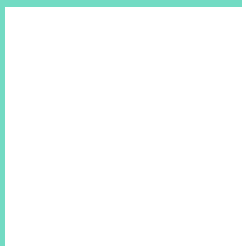
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1213, 58.1806, 60.6397

Background



This preview shows how black text looks on a background with the XYZ color 42.1213, 58.1806, 60.6397.

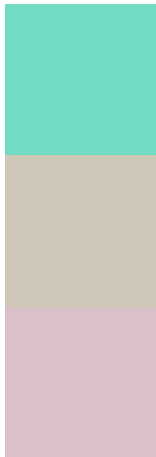


This preview shows how white text looks on a background with the XYZ color 42.1213, 58.1806,

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

42.1213, 58.1806, 60.6397

Protanopia

54.8073, 57.5729, 53.5714

Deuteranopia

58.5260, 57.2624, 63.2264



Tritanopia

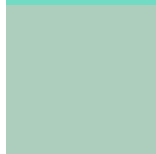
46.9278, 58.2226, 84.3660

Trichromacy



Original Color

42.1213, 58.1806, 60.6397



Protanomaly

48.3820, 56.6577, 55.9630



Deuteranomaly

50.2517, 56.0679, 62.2065



Tritanomaly

45.0959, 58.2386, 75.1940

Monochromacy



Original Color

42.1213, 58.1806, 60.6397



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.4496, 50.9776, 55.6937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1213, 58.1806, 60.6397 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(114, 219, 195)` looks like.

```
.text, #text, p{  
    color:rgb(114, 219, 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(114, 219, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 219, 195) }
```

Border

The CSS property to change the border of an element to XYZ 42.1213, 58.1806, 60.6397 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(114, 219, 195) }
```


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

```
.border{ border-color:rgb(114, 219, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 219, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 219, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 219, 195);  
box-shadow:4px 4px 4px 4px rgb(114, 219,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1213, 58.1806, 60.6397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 219, 195) }
```

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

```
.background{ background-color: rgb(114,  
219, 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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