

Converting Colors

XYZ(42.7577, 57.0296, 58.0445)

Have a look what the booklet for
XYZ(42.7577, 57.0296, 58.0445)
contains.

XYZ(42.7577, 57.0296, 58.0445)	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(42.7577, 57.0296,
58.0445)**

Conversions

Conversions Part 1

Format	Color
Hex	81D7BF
RGB	129, 215, 191
RGB Percent	51%, 84%, 75%
CMY	0.4941, 0.1568, 0.2510
CMYK	0.40, 0.00, 0.11, 0.16
HSL	163°, 52%, 67%
HSV	163°, 40%, 84%
XYZ	42.7577, 57.0296, 58.0445
YIQ	186.5500, -43.5520, -25.6960

Conversions

Conversions Part 2

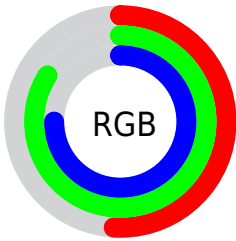
Format	Color
RYB	129, 179, 215
Decimal	8509375
CIELab	80.20, -31.52, 3.69
CIELCh	80, 31.739, 173.327
Yxy	57.0296, 0.2709, 0.3613
Android (android.graphics.Color)	4286699455 (0xFF81D7BF)
YUV	186.5500, 2.1938, -50.4714
Hunter-Lab	75.5179, -31.0910, 7.2912

Details

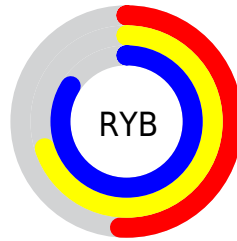
The XYZ color **42.7577, 57.0296, 58.0445** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.6263, 32.4490, 34.2086**, and the grayscale version is **46.9876, 49.4347, 53.8343**.

A 20% lighter version of the original color is **72.5561, 88.5497, 101.2634**, and **19.9823, 28.4324, 28.4796** is the 20% darker color. If you saturate the color by 10%, you get **39.1825, 55.2627, 54.5012**, and if you desaturate by 10%, it is **47.0503, 59.1661, 61.7651**.

Distribution



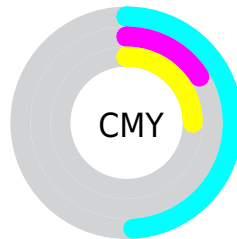
- Red (51%)
- Green (84%)
- Blue (75%)



- Red (51%)
- Yellow (70%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (11%)
- Black (16%)




- Cyan (49%)
- Magenta (16%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7577, 57.0296, 58.0445 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 42.7577, 57.0296, 58.0445 by changing the saturation by 10% instead.

 42.7577, 57.0296,
58.0445


 42.7577, 57.0296,
58.0445


348.5528,
413.5602, 434.9546


 29.8887, 41.0290,
41.4295


 78.6031, 100.5084,
103.5031

 19.9018, 28.3417,
28.3326


 102.3102,
128.7553, 133.1837

 12.4315, 18.5834,
18.3353

 130.3608,
161.8532, 168.0567

 7.1126, 11.3697,
11.0191

163.1202,
200.1864, 208.5404

 3.5796, 6.3161,
5.9653

200.9537,
244.1393, 255.0536

 1.4671, 3.0382,
2.7556

244.2268,

 0.3033, 1.1517,

294.0963, 308.0146

0.9712

293.3047,
350.4418, 367.8421

■ 0.0000, 0.0217,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7577, 57.0296,
58.0445

■ 42.7577, 57.0296,
58.0445

■ 39.1825, 55.2627,
54.5012

■ 47.0503, 59.1661,
61.7651

■ 36.2761, 53.8361,
51.1276

■ 52.0954, 61.6859,
65.6626

■ 33.9914, 52.7269,
47.9209

■ 57.9316, 64.6103,
69.7416

■ 32.2727, 51.9065,
44.8769

■ 64.5934, 67.9571,
74.0053

■ 31.0543, 51.3410,
41.9907

■ 72.1132, 71.7430,
78.4569

■ 30.2177, 50.9694,
39.2550

■ 79.4073, 75.4092,
83.0471

■ 30.2177, 50.9694,
39.2549

■ 80.2503, 75.7464,
87.4861

■ 81.1224, 76.0952,
92.0786

■ 82.0239, 76.4559,
96.8262

Harmonies

Analogous

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



44.8216, 57.0296, 43.1449



42.7577, 57.0296, 58.0445



43.5593, 57.0296, 77.3087

Triad

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



42.7577, 57.0296, 58.0445



59.2849, 57.0296, 100.9202



61.9843, 57.0296, 37.6669

Complementary

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



42.7577, 57.0296, 58.0445



41.6263, 32.4490, 34.2086

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.



66.4574, 57.0296, 49.0218



42.7577, 57.0296, 58.0445



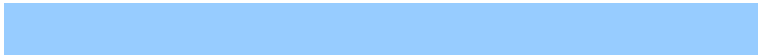
64.8142, 57.0296, 85.9131

Square

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



42.7577, 57.0296, 58.0445



52.7713, 57.0296, 104.6597



67.5321, 57.0296, 66.3308



55.6643, 57.0296, 32.9914

Rectangle

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



42.7577, 57.0296, 58.0445



45.6447, 57.0296, 89.9093



67.5321, 57.0296, 66.3308



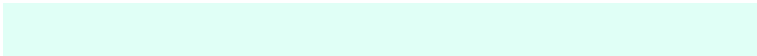
63.7736, 57.0296, 40.7057

Sweetspot

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



42.7593, 57.0319, 58.0458



83.3298, 94.1134, 101.3330



41.4709, 56.9963, 29.5856



17.5861, 20.0188, 21.5183



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.



42.7593, 57.0319, 58.0458



58.3995, 81.6859, 80.9833



41.1435, 49.2210, 71.6247



12.6375, 14.0460, 15.1713



18.1202, 30.5034, 23.7265



1.1273, 1.8536, 1.6121

Inverse Universe

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



41.6263, 32.4490, 34.2086



56.5258, 40.7069, 41.3214



42.5211, 37.0987, 25.6896



12.5643, 12.4772, 13.6458



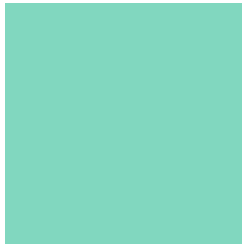
17.2889, 8.8519, 3.5595



1.0780, 0.5480, 0.4000

Previews

White Background



This preview shows how the XYZ color 42.7577, 57.0296, 58.0445 looks on a white background.

Color Contrast Check

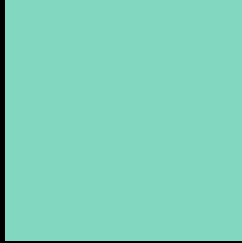
Large Text (above 18pt) WCAG AA × Fail

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 42.7577, 57.0296, 58.0445 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

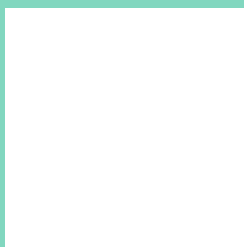
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7577, 57.0296, 58.0445

Background



This preview shows how black text looks on a background with the XYZ color 42.7577, 57.0296, 58.0445.

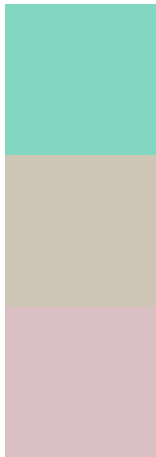


This preview shows how white text looks on a background with the XYZ color 42.7577, 57.0296,

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

42.7577, 57.0296, 58.0445

Protanopia

53.4836, 56.2478, 51.7541

Deuteranopia

57.5080, 56.1526, 60.0321



Tritanopia

47.3930, 57.0425, 81.1855

Trichromacy



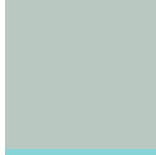
Original Color

42.7577, 57.0296, 58.0445



Protanomaly

48.4813, 56.0356, 54.1597



Deuteranomaly

50.6416, 55.6427, 59.1100



Tritanomaly

45.6728, 57.0929, 72.2312

Monochromacy



Original Color

42.7577, 57.0296, 58.0445



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.7692, 51.6703, 55.1907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7577, 57.0296, 58.0445 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(129, 215, 191)` looks like.

```
.text, #text, p{  
    color:rgb(129, 215, 191)  
}
```

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(129, 215, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 215, 191) }
```

Border

The CSS property to change the border of an element to XYZ 42.7577, 57.0296, 58.0445 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(129, 215, 191) }
```


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

```
.border{ border-color:rgb(129, 215, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 215, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 215, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 215, 191);  
box-shadow:4px 4px 4px 4px rgb(129, 215,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7577, 57.0296, 58.0445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 215, 191) }
```

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

```
.background{ background-color: rgb(129,  
215, 191) }
```

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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