

Converting Colors

XYZ(27.4792, 37.4465, 58.9806)

Have a look what the booklet for
XYZ(27.4792, 37.4465, 58.9806)
contains.

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Color

**XYZ(27.5920, 37.5761,
59.2247)**

Conversions

Conversions Part 1

Format	Color
Hex	28B5C6
RGB	40, 181, 198
RGB Percent	16%, 71%, 78%
CMY	0.8431, 0.2902, 0.2235
CMYK	0.80, 0.09, 0.00, 0.22
HSL	186°, 66%, 47%
HSV	186°, 80%, 78%
XYZ	27.5920, 37.5761, 59.2247
YIQ	140.7790, -89.4930, -24.6050

Conversions

Conversions Part 2

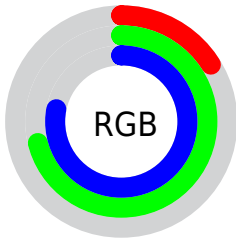
Format	Color
RYB	40, 115, 198
Decimal	2667974
CIELab	67.71, -29.74, -18.94
CIELCh	68, 35.255, 212.489
Yxy	37.5761, 0.2218, 0.3021
Android (android.graphics.Color)	4280858054 (0xFF28B5C6)
YUV	140.7790, 28.2100, -88.3832
Hunter-Lab	61.2993, -26.9276, -14.3738

Details

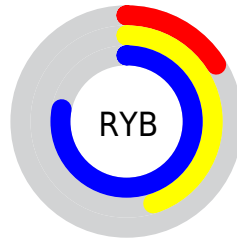
The XYZ color **27.5920, 37.5761, 59.2247** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **25.1360, 15.0867, 3.5959**, and the grayscale version is **25.1512, 26.4610, 28.8160**.

A 20% lighter version of the original color is **55.2736, 71.3658, 105.4695**, and **12.7532, 17.4520, 29.0820** is the 20% darker color. If you saturate the color by 10%, you get **26.5805, 36.4173, 59.0550**, and if you desaturate by 10%, it is **29.0064, 38.9540, 59.4168**.

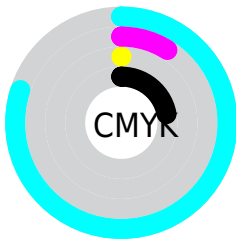
Distribution



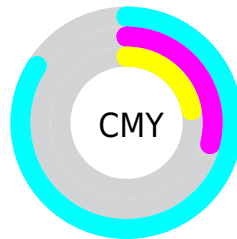
- Red (16%)
- Green (71%)
- Blue (78%)



- Red (16%)
- Yellow (45%)
- Blue (78%)



- Cyan (80%)
- Magenta (9%)
- Yellow (0%)
- Black (22%)



- Cyan (84%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5920, 37.5761, 59.2247 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 27.5920, 37.5761, 59.2247 by changing the saturation by 10% instead.

■ 27.5920, 37.5761,
59.2247

■ 27.5920, 37.5761,
59.2247

282.6277,
335.7980, 439.4592

■ 18.1572, 25.6539,
42.3728

■ 55.2456, 71.4579,
105.2365

■ 11.1633, 16.5649,
29.0656

■ 74.1951, 94.1863,
135.2335

■ 6.2449, 9.9247,
18.8844

■ 97.0469, 121.2856,
170.4493

■ 3.0366, 5.3491,
11.4108

■ 124.1664,
153.1400, 211.3025

■ 1.1732, 2.4535,
6.2262

■ 155.9188,
190.1341, 258.2115

■ 0.0850, 0.8532,
2.9121

192.6696,

■ 0.0000, 0.0000,

232.6522, 311.5949

1.0499

234.7842,
281.0787, 371.8713

■ 0.0000, 0.0000,
0.0000

■ 27.5920, 37.5761,
59.2247

■ 27.5920, 37.5761,
59.2247

■ 26.5805, 36.4173,
59.0550

■ 29.0064, 38.9540,
59.4168

■ 25.8695, 35.4223,
58.9005

■ 30.8731, 40.5742,
59.6312

■ 25.8556, 35.4021,
58.8973

■ 33.2381, 42.4613,
59.8708

■ 36.1409, 44.6355,
60.1374

■ 39.6169, 47.1152,
60.4329

■ 43.6985, 49.9171,
60.7586

■ 48.4155, 53.0568,
61.1160

■ 53.7959, 56.5485,
61.5064

■ 59.8660, 60.4060,
61.9310

Harmonies

Analogous

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



26.2434, 37.5761, 42.2299



27.5920, 37.5761, 59.2247



31.0940, 37.5761, 73.6844

Triad

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



27.5920, 37.5761, 59.2247



45.8283, 37.5761, 56.3854



35.2622, 37.5761, 17.6748

Complementary

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



27.5920, 37.5761, 59.2247



25.1360, 15.0867, 3.5959

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.



40.7725, 37.5761, 19.6666



27.5920, 37.5761, 59.2247



47.2286, 37.5761, 39.6257

Square

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



27.5920, 37.5761, 59.2247



41.6387, 37.5761, 71.7737



45.2936, 37.5761, 26.8296



30.3815, 37.5761, 20.4765

Rectangle

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



27.5920, 37.5761, 59.2247



34.3638, 37.5761, 78.4202



45.2936, 37.5761, 26.8296



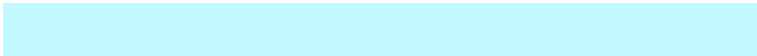
37.1010, 37.5761, 17.8060

Sweetspot

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



27.5932, 37.5775, 59.2256



73.9420, 86.0533, 107.3205



21.7792, 41.1238, 10.5072



15.2790, 18.0412, 22.9270



0.0000, 0.0000, 0.0000



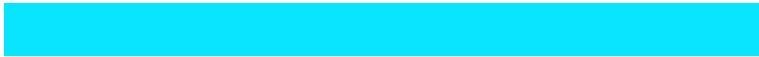
20.3446, 21.4041, 23.3091

Same Dimension

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



27.5932, 37.5775, 59.2256



46.1033, 63.1370, 104.3645



15.9398, 14.2708, 55.3412



10.8455, 11.8650, 13.6361



16.8524, 23.0987, 38.3146



0.8266, 1.1510, 1.8237

Inverse Universe

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



32.3890, 16.8607, 45.2648



55.4463, 27.1196, 76.1930



32.3092, 29.4331, 5.9870



11.0320, 10.7962, 13.1520



20.3056, 9.8718, 27.8830



0.9759, 0.4732, 1.3964

Previews

White Background



This preview shows how the XYZ color 27.5920, 37.5761, 59.2247 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 27.5920, 37.5761, 59.2247 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

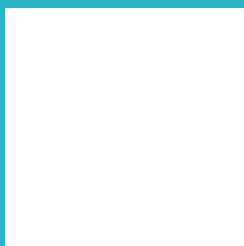
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5920, 37.5761, 59.2247

Background



This preview shows how black text looks on a background with the XYZ color 27.5920, 37.5761, 59.2247.



This preview shows how white text looks on a background with the XYZ color 27.5920, 37.5761,

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

27.5920, 37.5761, 59.2247

Protanopia

36.2805, 36.8594, 51.6568

Deuteranopia

37.8475, 36.9270, 61.6328



Tritanopia

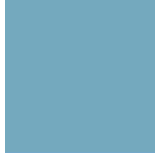
27.2870, 37.4453, 58.0140

Trichromacy



Original Color

27.5920, 37.5761, 59.2247



Protanomaly

30.6847, 35.8066, 54.0093



Deuteranomaly

31.7477, 35.9353, 60.5213



Tritanomaly

27.4386, 37.5103, 58.6174

Monochromacy



Original Color

27.5920, 37.5761, 59.2247



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

24.1190, 29.3286, 38.5722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5920, 37.5761, 59.2247 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(40, 181, 198)` looks like.

```
.text, #text, p{  
    color:rgb(40, 181, 198)  
}
```

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(40, 181, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 181, 198) }
```

Border

The CSS property to change the border of an element to XYZ 27.5920, 37.5761, 59.2247 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(40, 181, 198) }
```


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

```
.border{ border-color:rgb(40, 181, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 181, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 181, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 181, 198);  
box-shadow:4px 4px 4px 4px rgb(40, 181,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5920, 37.5761, 59.2247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 181, 198) }
```

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

```
.background{ background-color: rgb(40, 181,  
198) }
```

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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