

Converting Colors

XYZ(28.8034, 37.8728, 58.5906)

Have a look what the booklet for
XYZ(28.8034, 37.8728, 58.5906)
contains.

XYZ(28.8535, 37.9389, 58.6255)	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(28.8535, 37.9389,
58.6255)**

Conversions

Conversions Part 1

Format	Color
Hex	45B4C5
RGB	69, 180, 197
RGB Percent	27%, 71%, 77%
CMY	0.7294, 0.2941, 0.2274
CMYK	0.65, 0.09, 0.00, 0.23
HSL	188°, 52%, 52%
HSV	188°, 65%, 77%
XYZ	28.8535, 37.9389, 58.6255
YIQ	148.7490, -71.6130, -18.2450

Conversions

Conversions Part 2

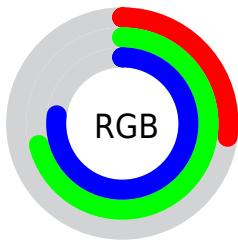
Format	Color
R _Y B	69, 128, 197
Decimal	4568261
CIE Lab	67.98, -25.92, -17.92
CIE LCh	68, 31.516, 214.656
Yxy	37.9389, 0.2301, 0.3025
Android (android.graphics.Color)	4282758341 (0xFF45B4C5)
YUV	148.7490, 23.7877, -69.9399
Hunter-Lab	61.5946, -24.1735, -13.3158

Details

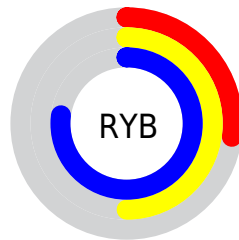
The XYZ color **28.8535, 37.9389, 58.6255** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **27.4289, 18.9567, 7.8447**, and the grayscale version is **28.3877, 29.8661, 32.5242**.

A 20% lighter version of the original color is **57.2449, 71.9720, 104.6408**, and **12.5473, 17.1619, 28.6379** is the 20% darker color. If you saturate the color by 10%, you get **27.1582, 36.2890, 58.3971**, and if you desaturate by 10%, it is **31.0249, 39.8506, 58.8808**.

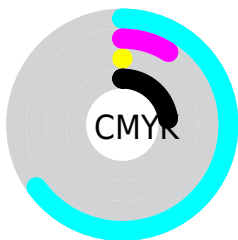
Distribution



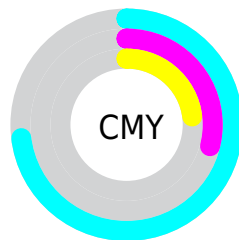
- Red (27%)
- Green (71%)
- Blue (77%)



- Red (27%)
- Yellow (50%)
- Blue (77%)



- Cyan (65%)
- Magenta (9%)
- Yellow (0%)
- Black (23%)



- Cyan (73%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8535, 37.9389, 58.6255 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 28.8535, 37.9389, 58.6255 by changing the saturation by 10% instead.

■ 28.8535, 37.9389,
58.6255

■ 28.8535, 37.9389,
58.6255

288.5298,
337.3578, 437.1758

■ 19.1137, 25.9353,
41.8937

■ 57.2434, 72.0145,
104.3569

■ 11.8570, 16.7752,
28.6931

■ 76.6243, 94.8552,
134.1936

■ 6.7179, 10.0744,
18.6052

■ 99.9496, 122.0771,
169.2357

■ 3.3311, 5.4483,
11.2114

■ 127.5847,
154.0646, 209.9017

■ 1.3312, 2.5126,
6.0933

■ 159.8949,
191.2020, 256.6102

■ 0.2064, 0.8829,
2.8322

197.2455,

■ 0.0000, 0.0000,

233.8737, 309.7797

1.0096

240.0021,
282.4642, 369.8287

■ 0.0000, 0.0000,
0.0000

■ 28.8535, 37.9389,
58.6255

■ 28.8535, 37.9389,
58.6255

■ 27.1582, 36.2890,
58.3971

■ 31.0249, 39.8506,
58.8808

■ 25.8874, 34.8719,
58.1905

■ 33.7104, 42.0414,
59.1621

■ 24.9840, 33.6588,
58.0040

■ 36.9479, 44.5318,
59.4721

■ 24.6105, 33.0959,
57.9151

■ 40.7710, 47.3391,
59.8125

■ 45.2105, 50.4793,
60.1846

■ 50.2949, 53.9671,
60.5899

■ 56.0511, 57.8165,
61.0295

■ 62.5042, 62.0405,
61.5047

■ 69.6782, 66.6516,
62.0166

Harmonies

Analogous

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



27.4629, 37.9389, 43.5375



28.8535, 37.9389, 58.6255



32.1763, 37.9389, 70.7986

Triad

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



28.8535, 37.9389, 58.6255



45.2597, 37.9389, 53.9653



35.3006, 37.9389, 19.8338

Complementary

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



28.8535, 37.9389, 58.6255



27.4289, 18.9567, 7.8447

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.



40.2438, 37.9389, 21.4113



28.8535, 37.9389, 58.6255



46.2860, 37.9389, 39.1579

Square

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



28.8535, 37.9389, 58.6255



41.6854, 37.9389, 67.7088



44.3759, 37.9389, 27.7899



30.9645, 37.9389, 22.8554

Rectangle

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



28.8535, 37.9389, 58.6255



35.1896, 37.9389, 74.4086



44.3759, 37.9389, 27.7899



36.9442, 37.9389, 19.8512

Sweetspot

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



28.8547, 37.9403, 58.6264



77.3981, 87.9037, 107.4955



24.0191, 41.8376, 15.1846



16.0777, 18.4684, 22.9673



0.0000, 0.0000, 0.0000



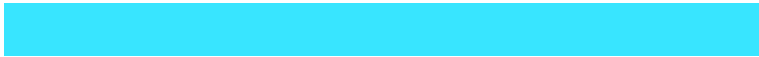
20.3446, 21.4041, 23.3091

Same Dimension

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



28.8547, 37.9403, 58.6264



47.5910, 63.8727, 104.4281



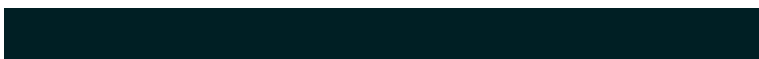
19.0197, 18.2704, 55.3481



10.8220, 11.8180, 13.6282



16.2314, 21.8568, 38.1076



0.8028, 1.1034, 1.8158

Inverse Universe

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



33.3933, 19.4230, 45.1704



56.7440, 29.7320, 76.5732



34.6806, 33.4602, 10.2619



11.0202, 10.7914, 13.0894



19.9922, 9.7464, 26.2325



0.9639, 0.4684, 1.3331

Previews

White Background



This preview shows how the XYZ color 28.8535, 37.9389, 58.6255 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 28.8535, 37.9389, 58.6255 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 28.8535, 37.9389, 58.6255

Background



This preview shows how black text looks on a background with the XYZ color 28.8535, 37.9389, 58.6255.

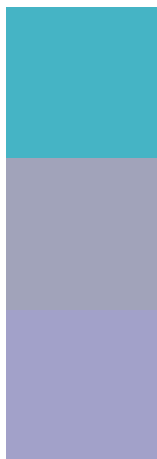


This preview shows how white text looks on a background with the XYZ color 28.8535, 37.9389,

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

28.8535, 37.9389, 58.6255

Protanopia

36.6581, 37.3166, 51.7251

Deuteranopia

38.1878, 37.3882, 60.4623



Tritanopia

28.5555, 37.8116, 57.4231

Trichromacy



Original Color

28.8535, 37.9389, 58.6255

Protanomaly

32.3843, 36.6828, 54.0889

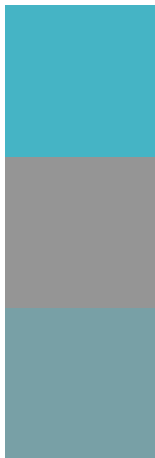
Deuteranomaly

33.3300, 36.7646, 59.9832

Tritanomaly

28.6690, 37.8570, 58.0207

Monochromacy



Original Color

28.8535, 37.9389, 58.6255

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.1995, 31.8879, 40.7978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8535, 37.9389, 58.6255 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(69, 180, 197)` looks like.

```
.text, #text, p{  
    color:rgb(69, 180, 197)  
}
```

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(69, 180, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 180, 197) }
```

Border

The CSS property to change the border of an element to XYZ 28.8535, 37.9389, 58.6255 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(69, 180, 197) }
```


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

```
.border{ border-color:rgb(69, 180, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 180, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 180, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 180, 197);  
box-shadow:4px 4px 4px 4px rgb(69, 180,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8535, 37.9389, 58.6255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 180, 197) }
```

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

```
.background{ background-color: rgb(69, 180,  
197) }
```

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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