

Converting Colors

XYZ(28.6448, 37.7438, 61.6533)

Have a look what the booklet for
XYZ(28.6448, 37.7438, 61.6533)
contains.

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Color

**XYZ(28.6693, 37.7766,
61.6577)**

Conversions

Conversions Part 1

Format	Color
Hex	39B4CA
RGB	57, 180, 202
RGB Percent	22%, 71%, 79%
CMY	0.7764, 0.2941, 0.2078
CMYK	0.72, 0.11, 0.00, 0.21
HSL	189°, 58%, 51%
HSV	189°, 72%, 79%
XYZ	28.6693, 37.7766, 61.6577
YIQ	145.7310, -80.3700, -19.2340

Conversions

Conversions Part 2

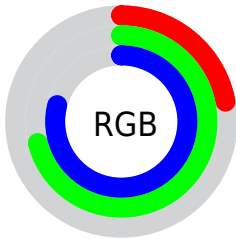
Format	Color
RYB	57, 124, 202
Decimal	3781834
CIELab	67.86, -26.12, -20.89
CIELCh	68, 33.447, 218.642
Yxy	37.7766, 0.2238, 0.2949
Android (android.graphics.Color)	4281971914 (0xFF39B4CA)
YUV	145.7310, 27.7406, -77.8171
Hunter-Lab	61.4627, -24.2982, -16.4543

Details

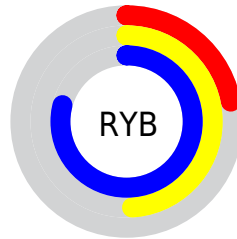
The XYZ color **28.6693, 37.7766, 61.6577** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **27.8929, 18.4456, 5.9625**, and the grayscale version is **27.1269, 28.5396, 31.0797**.

A 20% lighter version of the original color is **56.3576, 71.4960, 105.4375**, and **12.9347, 17.3169, 30.6777** is the 20% darker color. If you saturate the color by 10%, you get **27.1268, 36.0737, 61.4110**, and if you desaturate by 10%, it is **30.6858, 39.7456, 61.9322**.

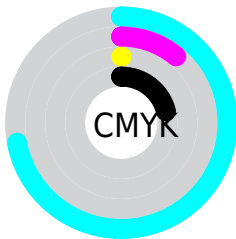
Distribution



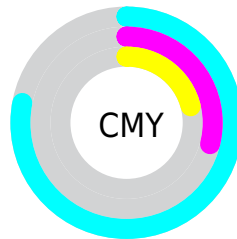
- Red (22%)
- Green (71%)
- Blue (79%)



- Red (22%)
- Yellow (49%)
- Blue (79%)



- Cyan (72%)
- Magenta (11%)
- Yellow (0%)
- Black (21%)



- Cyan (78%)
- Magenta (29%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6693, 37.7766, 61.6577 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 28.6693, 37.7766, 61.6577 by changing the saturation by 10% instead.

■ 28.6693, 37.7766,
61.6577

■ 28.6693, 37.7766,
61.6577

287.6738,
336.6607, 448.6545

■ 18.9738, 25.8093,
44.3222

■ 56.9525, 71.7656,
108.7975

■ 11.7553, 16.6811,
30.5848

■ 76.2708, 94.5561,
139.4387

■ 6.6483, 10.0074,
20.0271

■ 99.5276, 121.7232,
175.3524

■ 3.2875, 5.4038,
12.2305

■ 127.0880,
153.6512, 216.9569

■ 1.3075, 2.4861,
6.7764

■ 159.3175,
190.7246, 264.6708

■ 0.1889, 0.8697,
3.2463

196.5814,

■ 0.0000, 0.0000,

233.3277, 318.9127

1.2218

239.2451,
281.8449, 380.1011

■ 0.0000, 0.0000,
0.0000

■ 28.6693, 37.7766,
61.6577

■ 28.6693, 37.7766,
61.6577

■ 27.1268, 36.0737,
61.4110

■ 30.6858, 39.7456,
61.9322

■ 25.9965, 34.6029,
61.1867

■ 33.2212, 42.0019,
62.2341

■ 25.2904, 33.5235,
61.0156

■ 36.3193, 44.5687,
62.5662

■ 40.0180, 47.4659,
62.9305

■ 44.3520, 50.7114,
63.3285

■ 49.3532, 54.3218,
63.7618

■ 55.0514, 58.3126,
64.2318

■ 61.4745, 62.6983,
64.7397

■ 68.6491, 67.4926,
65.2870

Harmonies

Analogous

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



26.9251, 37.7766, 45.5727



28.6693, 37.7766, 61.6577



32.3964, 37.7766, 73.8581

Triad

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



28.6693, 37.7766, 61.6577



46.0117, 37.7766, 52.4292



34.4285, 37.7766, 18.8725

Complementary

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



28.6693, 37.7766, 61.6577



27.8929, 18.4456, 5.9625

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.



39.6594, 37.7766, 19.8627



28.6693, 37.7766, 61.6577



46.6891, 37.7766, 36.9901

Square

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



28.6693, 37.7766, 61.6577



42.4965, 37.7766, 67.7005



44.2671, 37.7766, 25.7573



30.0339, 37.7766, 22.6217

Rectangle

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



28.6693, 37.7766, 61.6577



35.6699, 37.7766, 76.7802



44.2671, 37.7766, 25.7573



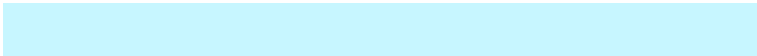
36.1422, 37.7766, 18.6851

Sweetspot

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



28.6705, 37.7780, 61.6586



74.6811, 85.5574, 107.1858



24.2113, 43.6728, 14.5049



15.5329, 17.9785, 22.9015



0.0000, 0.0000, 0.0000



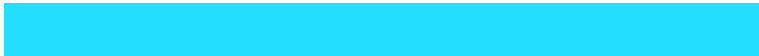
20.3446, 21.4041, 23.3091

Same Dimension

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



28.6705, 37.7780, 61.6586



44.8158, 59.6871, 103.7665



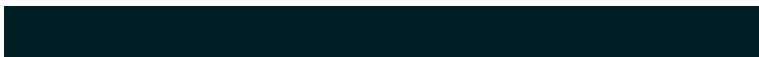
17.6858, 15.8085, 57.9970



11.3926, 12.4257, 14.3683



16.3262, 21.6764, 39.2798



0.8825, 1.1988, 2.0398

Inverse Universe

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



34.0596, 18.7794, 45.0110



55.0100, 27.7629, 71.3747



36.2038, 35.0675, 8.7329



11.6115, 11.3734, 13.7550



20.4516, 9.9912, 25.8947



1.0754, 0.5236, 1.4429

Previews

White Background



This preview shows how the XYZ color 28.6693, 37.7766, 61.6577 looks on a white background.

Color Contrast Check

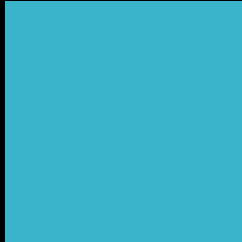
Large Text (above 18pt) WCAG AA × Fail

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 28.6693, 37.7766, 61.6577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

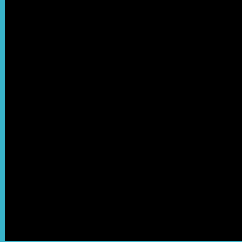
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.6693, 37.7766, 61.6577

Background



This preview shows how black text looks on a background with the XYZ color 28.6693, 37.7766, 61.6577.



This preview shows how white text looks on a background with the XYZ color 28.6693, 37.7766,

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

28.6693, 37.7766, 61.6577

Protanopia

36.6895, 37.2830, 53.9778

Deuteranopia

37.9860, 37.2151, 63.5737



Tritanopia

27.9559, 37.7902, 58.0454

Trichromacy



Original Color

28.6693, 37.7766, 61.6577



Protanomaly

31.9516, 36.4086, 56.3825



Deuteranomaly

32.9072, 36.4780, 63.0642



Tritanomaly

28.2382, 37.9092, 59.2550

Monochromacy



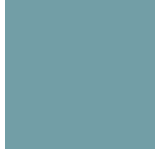
Original Color

28.6693, 37.7766, 61.6577



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

26.0492, 30.7843, 40.6454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6693, 37.7766, 61.6577 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(57, 180, 202)` looks like.

```
.text, #text, p{  
    color:rgb(57, 180, 202)  
}
```

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(57, 180, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 180, 202) }
```

Border

The CSS property to change the border of an element to XYZ 28.6693, 37.7766, 61.6577 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(57, 180, 202) }
```


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

```
.border{ border-color:rgb(57, 180, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 180, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 180, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 180, 202);  
box-shadow:4px 4px 4px 4px rgb(57, 180,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6693, 37.7766, 61.6577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 180, 202) }
```

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

```
.background{ background-color: rgb(57, 180,  
202) }
```

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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