

Converting Colors

XYZ(27.3270, 37.7728, 49.7844)

Have a look what the booklet for
XYZ(27.3270, 37.7728, 49.7844)
contains.

XYZ(27.1791, 37.5772, 49.5367)	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(27.1791, 37.5772,
49.5367)**

Conversions

Conversions Part 1

Format	Color
Hex	43B5B5
RGB	67, 181, 181
RGB Percent	26%, 71%, 71%
CMY	0.7372, 0.2902, 0.2902
CMYK	0.63, 0.00, 0.00, 0.29
HSL	180°, 46%, 49%
HSV	180°, 63%, 71%
XYZ	27.1791, 37.5772, 49.5367
YIQ	146.9140, -67.9440, -24.1680

Conversions

Conversions Part 2

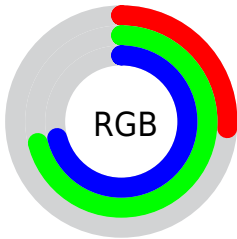
Format	Color
RYB	67, 124, 181
Decimal	4437429
CIELab	67.71, -31.40, -9.50
CIELCh	68, 32.806, 196.830
Yxy	37.5772, 0.2378, 0.3288
Android (android.graphics.Color)	4282627509 (0xFF43B5B5)
YUV	146.9140, 16.8044, -70.0846
Hunter-Lab	61.3002, -28.1327, -5.0021

Details

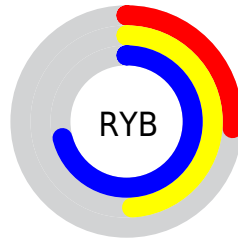
The XYZ color **27.1791, 37.5772, 49.5367** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.0776, 14.2445, 6.8973**, and the grayscale version is **27.6517, 29.0918, 31.6809**.

A 20% lighter version of the original color is **54.4723, 71.2720, 91.0066**, and **11.6155, 16.9969, 23.0906** is the 20% darker color. If you saturate the color by 10%, you get **26.1271, 37.0357, 49.4882**, and if you desaturate by 10%, it is **28.6211, 38.3214, 49.6051**.

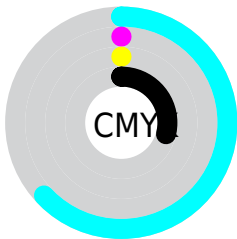
Distribution



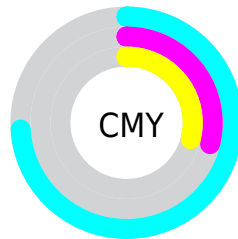
- Red (26%)
- Green (71%)
- Blue (71%)



- Red (26%)
- Yellow (49%)
- Blue (71%)



- Cyan (63%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)



- Cyan (74%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1791, 37.5772, 49.5367 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 27.1791, 37.5772, 49.5367 by changing the saturation by 10% instead.

■ 27.1791, 37.5772,
49.5367

■ 27.1791, 37.5772,
49.5367

280.6750,
335.8028, 401.5344

■ 17.8451, 25.6547,
34.6768

■ 54.5890, 71.4596,
90.8773

■ 10.9378, 16.5655,
23.1325

■ 73.3956, 94.1884,
118.1950

■ 6.0920, 9.9252,
14.4851

■ 96.0903, 121.2880,
150.5025

■ 2.9423, 5.3494,
8.3163

■ 123.0387,
153.1428, 188.2182

■ 1.1233, 2.4537,
4.2073

■ 154.6060,
190.1373, 231.7608

■ 0.0445, 0.8533,
1.7398

191.1576,

■ 0.0000, 0.0000,

232.6559, 281.5486

0.3878

233.0588,
281.0829, 338.0003

■ 0.0000, 0.0000,
0.0000

■ 27.1791, 37.5772,
49.5367

■ 27.1791, 37.5772,
49.5367

■ 26.1271, 37.0357,
49.4882

■ 28.6211, 38.3214,
49.6051

■ 25.4242, 36.6734,
49.4552

■ 30.4824, 39.2809,
49.6924

■ 25.0267, 36.4684,
49.4364

■ 32.7934, 40.4723,
49.8007

■ 24.8650, 36.3851,
49.4288

■ 35.5808, 41.9093,
49.9312

■ 38.8691, 43.6044,
50.0852

■ 42.6812, 45.5696,
50.2638

■ 47.0386, 47.8160,
50.4678

■ 51.9615, 50.3538,
50.6983

■ 57.4692, 53.1931,
50.9562

Harmonies

Analogous

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



27.0451, 37.5772, 34.8818



27.1791, 37.5772, 49.5367



29.4568, 37.5772, 64.8239

Triad

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



27.1791, 37.5772, 49.5367



43.3028, 37.5772, 63.1264



37.9820, 37.5772, 19.3174

Complementary

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



27.1791, 37.5772, 49.5367



22.0776, 14.2445, 6.8973

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.



42.8045, 37.5772, 23.7534



27.1791, 37.5772, 49.5367



46.0665, 37.5772, 47.6070

Square

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



27.1791, 37.5772, 49.5367



38.6116, 37.5772, 73.8527



45.8760, 37.5772, 33.3570



32.9689, 37.5772, 19.5984

Rectangle

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



27.1791, 37.5772, 49.5367



32.0183, 37.5772, 72.2992



45.8760, 37.5772, 33.3570



39.6879, 37.5772, 20.2516

Sweetspot

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



27.1802, 37.5786, 49.5376



65.7732, 76.1134, 89.5189



19.9853, 34.7160, 10.9587



13.8726, 16.2738, 19.3321



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.1802, 37.5786, 49.5376



46.1792, 66.0123, 88.6006



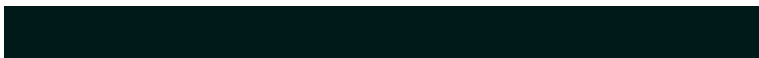
18.1046, 19.4271, 46.5131



8.7427, 9.6316, 10.9046



17.1408, 25.0823, 34.0741



0.5393, 0.7892, 1.0721

Inverse Universe

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



22.0776, 14.2445, 6.8973



36.2793, 20.7406, 5.8720



27.0424, 24.1742, 8.5520



8.4964, 8.5053, 8.8464



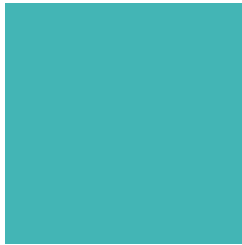
13.1369, 6.7723, 0.6149



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 27.1791, 37.5772, 49.5367 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 27.1791, 37.5772, 49.5367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

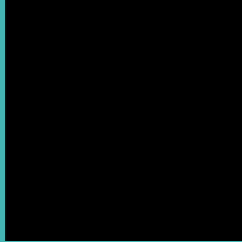
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.1791, 37.5772, 49.5367

Background



This preview shows how black text looks on a background with the XYZ color 27.1791, 37.5772, 49.5367.

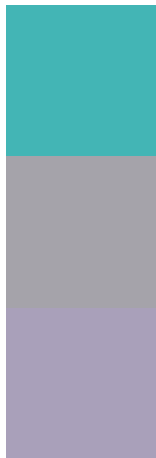


This preview shows how white text looks on a background with the XYZ color 27.1791, 37.5772,

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

27.1791, 37.5772, 49.5367

Protanopia

35.8699, 37.0960, 43.2999

Deuteranopia

37.7959, 37.1218, 51.6275



Tritanopia

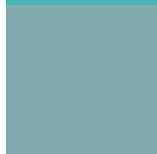
28.6054, 37.5517, 56.7795

Trichromacy



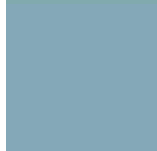
Original Color

27.1791, 37.5772, 49.5367



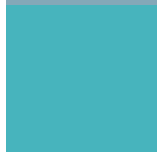
Protanomaly

31.0680, 36.4726, 45.4469



Deuteranomaly

32.1701, 36.3715, 50.6723



Tritanomaly

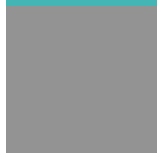
28.1051, 37.6562, 53.9312

Monochromacy



Original Color

27.1791, 37.5772, 49.5367



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.1274, 31.1510, 37.4366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1791, 37.5772, 49.5367 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(67, 181, 181)` looks like.

```
.text, #text, p{  
    color:rgb(67, 181, 181)  
}
```

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(67, 181, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 181, 181) }
```

Border

The CSS property to change the border of an element to XYZ 27.1791, 37.5772, 49.5367 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(67, 181, 181) }
```


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

```
.border{ border-color:rgb(67, 181, 181) }
```

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

Here you see how a box with a 4 pixel rgb(67, 181, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 181, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 181, 181);  
box-shadow:4px 4px 4px 4px rgb(67, 181,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1791, 37.5772, 49.5367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 181, 181) }
```

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

```
.background{ background-color: rgb(67, 181,  
181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor