

Converting Colors

XYZ(27.7241, 36.8204, 49.5728)

Have a look what the booklet for
XYZ(27.7241, 36.8204, 49.5728)
contains.

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Color

**XYZ(27.7406, 36.9708,
49.3901)**

Conversions

Conversions Part 1

Format	Color
Hex	52B2B5
RGB	82, 178, 181
RGB Percent	32%, 70%, 71%
CMY	0.6784, 0.3020, 0.2902
CMYK	0.55, 0.02, 0.00, 0.29
HSL	182°, 40%, 52%
HSV	182°, 55%, 71%
XYZ	27.7406, 36.9708, 49.3901
YIQ	149.6380, -58.1790, -19.4190

Conversions

Conversions Part 2

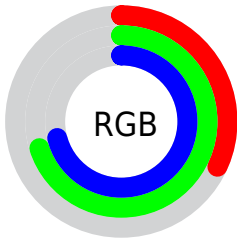
Format	Color
RYB	82, 131, 181
Decimal	5419701
CIELab	67.26, -27.20, -10.13
CIELCh	67, 29.020, 200.424
Yxy	36.9708, 0.2431, 0.3240
Android (android.graphics.Color)	4283609781 (0xFF52B2B5)
YUV	149.6380, 15.4615, -59.3185
Hunter-Lab	60.8036, -24.9688, -5.5981

Details

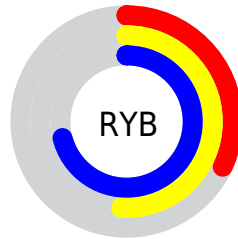
The XYZ color **27.7406, 36.9708, 49.3901** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.8284, 16.9308, 9.9958**, and the grayscale version is **28.7915, 30.2909, 32.9868**.

A 20% lighter version of the original color is **55.5241, 70.5355, 90.8091**, and **11.2424, 16.2322, 22.9627** is the 20% darker color. If you saturate the color by 10%, you get **26.2609, 36.0472, 49.2905**, and if you desaturate by 10%, it is **29.6381, 38.1121, 49.5110**.

Distribution



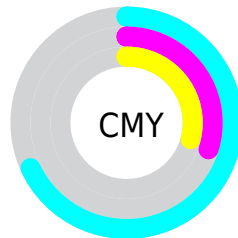
- Red (32%)
- Green (70%)
- Blue (71%)



- Red (32%)
- Yellow (51%)
- Blue (71%)



- Cyan (55%)
- Magenta (2%)
- Yellow (0%)
- Black (29%)



- Cyan (68%)
- Magenta (30%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7406, 36.9708, 49.3901 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 27.7406, 36.9708, 49.3901 by changing the saturation by 10% instead.

■ 27.7406, 36.9708,
49.3901

■ 27.7406, 36.9708,
49.3901

283.3279,
333.1841, 400.9426

■ 18.2697, 25.1849,
34.5612

■ 55.4816, 70.5279,
90.6575

■ 11.2446, 16.2149,
23.0443

■ 74.4823, 93.0678,
117.9332

■ 6.3001, 9.6763,
14.4206

■ 97.3904, 119.9612,
150.1949

■ 3.0708, 5.1849,
8.2717

■ 124.5711,
151.5925, 187.8612

■ 1.1913, 2.3561,
4.1790

156.3899,
188.3460, 231.3505

■ 0.0995, 0.8032,
1.7241

193.2121,

■ 0.0000, 0.0000,

230.6062, 281.0815

0.3771

235.4029,
278.7574, 337.4727

■ 0.0000, 0.0000,
0.0000

■ 27.7406, 36.9708,
49.3901

■ 27.7406, 36.9708,
49.3901

■ 26.2609, 36.0472,
49.2905

■ 29.6381, 38.1121,
49.5110

■ 25.1622, 35.3198,
49.2080

■ 31.9798, 39.4822,
49.6521

■ 24.4071, 34.7702,
49.1417

■ 34.7939, 41.0965,
49.8154

■ 23.9489, 34.3743,
49.0894

■ 38.1053, 42.9678,
50.0020

■ 23.7718, 34.1986,
49.0648

■ 41.9370, 45.1080,
50.2132

■ 46.3109, 47.5284,
50.4498

■ 51.2474, 50.2394,
50.7129

■ 56.7658, 53.2510,
51.0034

■ 62.8847, 56.5729,
51.3220

Harmonies

Analogous

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



27.3858, 36.9708, 36.3283



27.7406, 36.9708, 49.3901



29.9833, 36.9708, 62.1585

Triad

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



27.7406, 36.9708, 49.3901



42.1287, 36.9708, 57.8996



36.5770, 36.9708, 20.6604

Complementary

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



27.7406, 36.9708, 49.3901



23.8284, 16.9308, 9.9958

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.



40.8557, 36.9708, 24.2164



27.7406, 36.9708, 49.3901



44.2341, 36.9708, 44.4548

Square

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



27.7406, 36.9708, 49.3901



38.1993, 36.9708, 67.7442



43.7496, 36.9708, 32.3219



32.2479, 36.9708, 21.4357

Rectangle

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



27.7406, 36.9708, 49.3901



32.3599, 36.9708, 67.9191



43.7496, 36.9708, 32.3219



38.0742, 36.9708, 21.3546

Sweetspot

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



27.7417, 36.9722, 49.3910



67.2505, 76.3944, 89.4957



21.5911, 35.4771, 14.0267



14.2669, 16.3604, 19.3282



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.



27.7417, 36.9722, 49.3910



46.4978, 64.2139, 88.2384



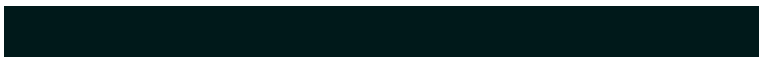
19.7839, 21.0566, 46.7384



8.7202, 9.5865, 10.8971



16.3971, 23.5946, 33.8270



0.5227, 0.7560, 1.0666

Inverse Universe

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



30.1102, 19.0738, 44.2156



51.2507, 29.0051, 77.6940



28.9881, 27.2503, 11.7157



8.8387, 8.6422, 10.6490



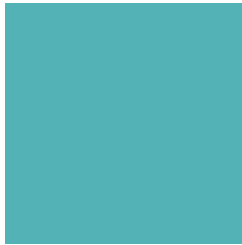
18.5112, 8.9220, 28.9154



0.5859, 0.2821, 0.9279

Previews

White Background



This preview shows how the XYZ color 27.7406, 36.9708, 49.3901 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 27.7406, 36.9708, 49.3901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

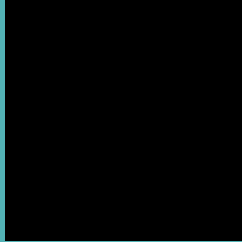
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7406, 36.9708, 49.3901

Background



This preview shows how black text looks on a background with the XYZ color 27.7406, 36.9708, 49.3901.

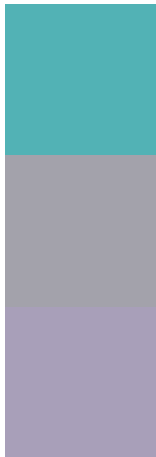


This preview shows how white text looks on a background with the XYZ color 27.7406, 36.9708,

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

27.7406, 36.9708, 49.3901

Protanopia

35.3753, 36.5675, 43.7218

Deuteranopia

37.3035, 36.6239, 51.0019



Tritanopia

28.7671, 36.7907, 54.8753

Trichromacy



Original Color

27.7406, 36.9708, 49.3901



Protanomaly

31.5720, 36.1687, 45.8747



Deuteranomaly

32.6045, 36.0515, 50.5876



Tritanomaly

28.4381, 36.9634, 52.6495

Monochromacy



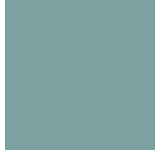
Original Color

27.7406, 36.9708, 49.3901



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.4613, 32.0748, 38.4619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7406, 36.9708, 49.3901 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(82, 178, 181)` looks like.

```
.text, #text, p{  
    color:rgb(82, 178, 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(82, 178, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 178, 181) }
```

Border

The CSS property to change the border of an element to XYZ 27.7406, 36.9708, 49.3901 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(82, 178, 181) }
```


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

```
.border{ border-color:rgb(82, 178, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 178, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 178, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 178, 181);  
box-shadow:4px 4px 4px 4px rgb(82, 178,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7406, 36.9708, 49.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 178, 181) }
```

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

```
.background{ background-color: rgb(82, 178,  
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](#).

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