

Converting Colors

XYZ(28.0089, 33.7936, 48.9621)

Have a look what the booklet for
XYZ(28.0089, 33.7936, 48.9621)
contains.

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Color

**XYZ(27.9206, 33.6728,
48.7440)**

Conversions

Conversions Part 1

Format	Color
Hex	6AA6B5
RGB	106, 166, 181
RGB Percent	42%, 65%, 71%
CMY	0.5843, 0.3490, 0.2902
CMYK	0.41, 0.08, 0.00, 0.29
HSL	192°, 34%, 56%
HSV	192°, 41%, 71%
XYZ	27.9206, 33.6728, 48.7440
YIQ	149.7700, -40.5750, -8.0550

Conversions

Conversions Part 2

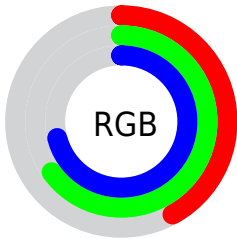
Format	Color
RYB	106, 139, 181
Decimal	6989493
CIELab	64.70, -15.48, -13.86
CIELCh	65, 20.772, 221.839
Yxy	33.6728, 0.2530, 0.3052
Android (android.graphics.Color)	4285179573 (0xFF6AA6B5)
YUV	149.7700, 15.3964, -38.3863
Hunter-Lab	58.0283, -15.6633, -9.1841

Details

The XYZ color **27.9206, 33.6728, 48.7440** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.4956, 24.5398, 16.8714**, and the grayscale version is **28.8420, 30.3441, 33.0447**.

A 20% lighter version of the original color is **55.8405, 65.4044, 89.8020**, and **11.3298, 14.3232, 22.5896** is the 20% darker color. If you saturate the color by 10%, you get **25.3439, 31.3821, 48.4382**, and if you desaturate by 10%, it is **30.9719, 36.2372, 49.0788**.

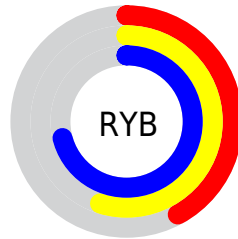
Distribution



Red (42%)

Green (65%)

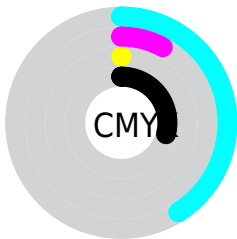
Blue (71%)



Red (42%)

Yellow (55%)

Blue (71%)

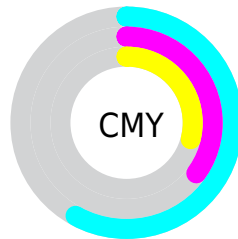


Cyan (41%)

Magenta (8%)

Yellow (0%)

Black (29%)



Cyan (58%)

Magenta (35%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9206, 33.6728, 48.7440 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 27.9206, 33.6728, 48.7440 by changing the saturation by 10% instead.

■ 27.9206, 33.6728,
48.7440

■ 27.9206, 33.6728,
48.7440

284.1743,
318.6706, 398.3271

■ 18.4060, 22.6423,
34.0523

■ 55.7672, 65.4245,
89.6882

■ 11.3433, 14.3296,
22.6561

■ 74.8298, 86.9146,
116.7777

■ 6.3672, 8.3503,
14.1369

■ 97.8059, 112.6600,
148.8369

■ 3.1124, 4.3199,
8.0761

■ 125.0607,
143.0451, 186.2843

■ 1.2135, 1.8541,
4.0552

156.9595,
178.4543, 229.5385

■ 0.1170, 0.5205,
1.6557

193.8679,

■ 0.0000, 0.0000,

219.2720, 279.0180

0.3301

236.1510,
265.8827, 335.1414

■ 0.0000, 0.0000,
0.0000

■ 27.9206, 33.6728,
48.7440

■ 27.9206, 33.6728,
48.7440

■ 25.3439, 31.3821,
48.4382

■ 30.9719, 36.2372,
49.0788

■ 23.2097, 29.3460,
48.1577

■ 34.5210, 39.0852,
49.4414

■ 21.4868, 27.5490,
47.9017

■ 38.5936, 42.2310,
49.8340

■ 20.1384, 25.9719,
47.6683

■ 43.2123, 45.6865,
50.2575

■ 19.1208, 24.5918,
47.4556

■ 48.3985, 49.4629,
50.7131

■ 18.4360, 23.5271,
47.2862

■ 54.1726, 53.5709,
51.2017

■ 60.5537, 58.0207,
51.7242

■ 67.5602, 62.8218,
52.2817

■ 69.9076, 65.2503,
52.6267

Harmonies

Analogous

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



26.7150, 33.6728, 40.1371



27.9206, 33.6728, 48.7440



30.2510, 33.6728, 54.5843

Triad

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



27.9206, 33.6728, 48.7440



37.7679, 33.6728, 42.0238



30.8430, 33.6728, 22.8266

Complementary

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



27.9206, 33.6728, 48.7440



28.4956, 24.5398, 16.8714

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.



33.8255, 33.6728, 23.1701



27.9206, 33.6728, 48.7440



37.9509, 33.6728, 33.3972

Square

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



27.9206, 33.6728, 48.7440



35.9839, 33.6728, 50.3086



36.4695, 33.6728, 26.7654



28.3308, 33.6728, 25.7406

Rectangle

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



27.9206, 33.6728, 48.7440



32.1893, 33.6728, 55.6466



36.4695, 33.6728, 26.7654



31.8213, 33.6728, 22.5790

Sweetspot

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



27.9216, 33.6741, 48.7448



68.5268, 75.1831, 89.1947



25.8436, 37.4627, 23.5598



14.6008, 16.0893, 19.2582



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.



27.9216, 33.6741, 48.7448



45.6437, 56.4369, 86.7823



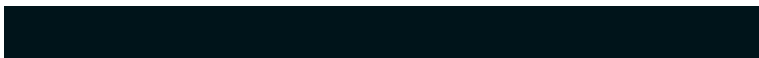
22.2347, 22.3002, 46.8491



8.5954, 9.3371, 10.8555



12.7588, 16.3180, 32.6142



0.4382, 0.5869, 1.0384

Inverse Universe

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



31.0939, 22.8860, 38.8564



52.3010, 35.0970, 65.7392



33.7577, 35.0639, 18.6255



8.7757, 8.6170, 10.3175



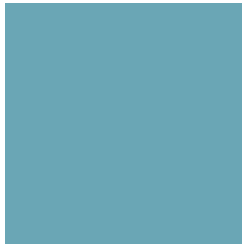
16.6747, 8.1874, 19.2449



0.5432, 0.2650, 0.7032

Previews

White Background



This preview shows how the XYZ color 27.9206, 33.6728, 48.7440 looks on a white background.

Color Contrast Check

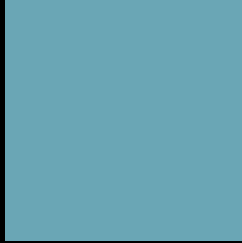
Large Text (above 18pt) WCAG AA × Fail

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 27.9206, 33.6728, 48.7440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

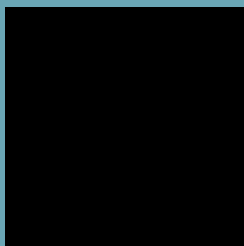
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

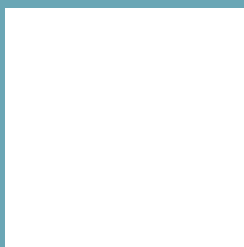
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9206, 33.6728, 48.7440

Background



This preview shows how black text looks on a background with the XYZ color 27.9206, 33.6728, 48.7440.



This preview shows how white text looks on a background with the XYZ color 27.9206, 33.6728,

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

27.9206, 33.6728, 48.7440

Protanopia

32.6878, 33.3687, 44.7624

Deuteranopia

34.1435, 33.5123, 50.0164



Tritanopia

27.8183, 33.6319, 48.2054

Trichromacy



Original Color

27.9206, 33.6728, 48.7440

Protanomaly

30.6505, 33.2890, 46.4049

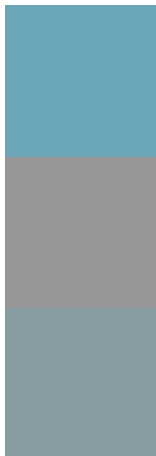
Deuteranomaly

31.4216, 33.3616, 49.5831

Tritanomaly

27.8183, 33.6319, 48.2054

Monochromacy



Original Color

27.9206, 33.6728, 48.7440

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.1530, 31.4185, 38.2988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9206, 33.6728, 48.7440 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(106, 166, 181)` looks like.

```
.text, #text, p{  
    color:rgb(106, 166, 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(106, 166, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 166, 181) }
```

Border

The CSS property to change the border of an element to XYZ 27.9206, 33.6728, 48.7440 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(106, 166, 181) }
```


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

```
.border{ border-color:rgb(106, 166, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 166, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 166, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 166, 181);  
box-shadow:4px 4px 4px 4px rgb(106, 166,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9206, 33.6728, 48.7440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 166, 181) }
```

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

```
.background{ background-color: rgb(106,  
166, 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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