

Converting Colors

XYZ(27.6212, 29.2009, 46.5637)

Have a look what the booklet for
XYZ(27.6212, 29.2009, 46.5637)
contains.

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Color

**XYZ(27.7862, 29.3388,
46.8463)**

Conversions

Conversions Part 1

Format	Color
Hex	8095B3
RGB	128, 149, 179
RGB Percent	50%, 58%, 70%
CMY	0.4980, 0.4157, 0.2980
CMYK	0.28, 0.17, 0.00, 0.30
HSL	215°, 25%, 60%
HSV	215°, 28%, 70%
XYZ	27.7862, 29.3388, 46.8463
YIQ	146.1410, -22.1460, 4.8780

Conversions

Conversions Part 2

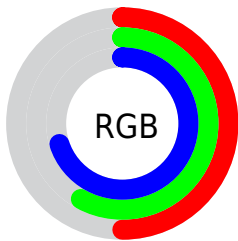
Format	Color
RYB	128, 143, 179
Decimal	8426931
CIELab	61.08, -0.40, -18.09
CIELCh	61, 18.094, 268.748
Yxy	29.3388, 0.2672, 0.2822
Android (android.graphics.Color)	4286617011 (0xFF8095B3)
YUV	146.1410, 16.1995, -15.9097
Hunter-Lab	54.1653, -3.2208, -13.3628

Details

The XYZ color **27.7862, 29.3388, 46.8463** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.7139, 35.5960, 25.4639**, and the grayscale version is **27.3223, 28.7452, 31.3035**.

A 20% lighter version of the original color is **55.6427, 58.6551, 86.9861**, and **11.1941, 11.8195, 21.4301** is the 20% darker color. If you saturate the color by 10%, you get **23.7366, 24.8896, 46.2015**, and if you desaturate by 10%, it is **32.4633, 34.3364, 47.5649**.

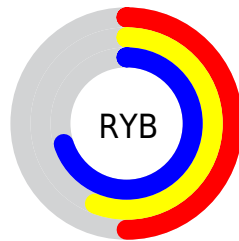
Distribution



Red (50%)

Green (58%)

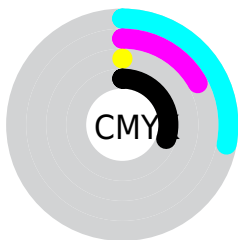
Blue (70%)



Red (50%)

Yellow (56%)

Blue (70%)

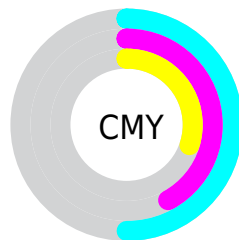


Cyan (28%)

Magenta (17%)

Yellow (0%)

Black (30%)



Cyan (50%)

Magenta (42%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7862, 29.3388, 46.8463 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 27.7862, 29.3388, 46.8463 by changing the saturation by 10% instead.

■ 27.7862, 29.3388,
46.8463

■ 27.7862, 29.3388,
46.8463

283.5425,
298.8102, 390.5767

■ 18.3042, 19.3373,
32.5607

■ 55.5540, 58.6149,
86.8317

■ 11.2696, 11.9142,
21.5218

■ 74.5704, 78.6583,
113.3686

■ 6.3171, 6.6853,
13.3110

■ 97.4957, 102.8178,
144.8264

■ 3.0813, 3.2661,
7.5098

124.6952,
131.4778, 181.6235

■ 1.1969, 1.2722,
3.6997

156.5343,
165.0226, 224.1786

■ 0.1039, 0.1195,
1.4621

193.3783,

■ 0.0000, 0.0000,

203.8367, 272.9101

0.1894

235.5926,
248.3044, 328.2366

■ 0.0000, 0.0000,
0.0000

■ 27.7862, 29.3388,
46.8463

■ 27.7862, 29.3388,
46.8463

■ 23.7366, 24.8896,
46.2015

■ 32.4633, 34.3364,
47.5649

■ 20.2827, 20.9645,
45.6259

■ 37.7920, 39.8985,
48.3577

■ 17.3940, 17.5424,
45.1176

■ 43.7986, 46.0448,
49.2274

■ 15.0362, 14.5990,
44.6737

■ 50.5069, 52.7928,
50.1764

■ 13.1704, 12.1077,
44.2912

■ 57.9396, 60.1595,
51.2065

■ 11.7519, 10.0382,
43.9665

■ 66.1185, 68.1608,
52.3199

■ 10.7071, 8.3452,
43.6948

■ 75.0642, 76.8123,
53.5183

■ 10.5664, 8.1139,
43.6576

■ 78.5821, 82.9254,
54.5128

■ 81.6563, 89.0737,
55.5375

Harmonies

Analogous

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



25.5881, 29.3388, 44.4485



27.7862, 29.3388, 46.8463



30.1348, 29.3388, 44.8048

Triad

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



27.7862, 29.3388, 46.8463



32.0739, 29.3388, 26.0714



24.1692, 29.3388, 25.6424

Complementary

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



27.7862, 29.3388, 46.8463



34.7139, 35.5960, 25.4639

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.



25.7513, 29.3388, 21.8163



27.7862, 29.3388, 46.8463



30.3168, 29.3388, 22.0382

Square

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



27.7862, 29.3388, 46.8463



32.6931, 29.3388, 32.2310



27.9853, 29.3388, 20.5950



23.5742, 29.3388, 31.6607

Rectangle

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



27.7862, 29.3388, 46.8463



31.4531, 29.3388, 41.3441



27.9853, 29.3388, 20.5950



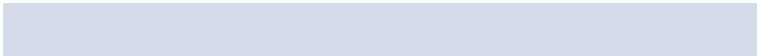
24.5987, 29.3388, 24.0906

Sweetspot

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



27.7871, 29.3400, 46.8470



67.0157, 70.7659, 86.5082



31.1729, 39.2900, 38.1764



14.5284, 15.3478, 19.1189



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.



27.7871, 29.3400, 46.8470



45.2220, 47.5836, 83.1823



25.4114, 23.6195, 45.8680



8.3198, 8.7858, 10.7637



7.5275, 5.8555, 30.8705



0.2949, 0.3004, 0.9907

Inverse Universe

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



31.7351, 27.1927, 32.0112



53.5362, 43.5267, 51.8352



37.6401, 42.8843, 26.7164



8.6366, 8.5614, 9.5849



14.0342, 7.1312, 5.3401



0.4709, 0.2361, 0.3224

Previews

White Background



This preview shows how the XYZ color 27.7862, 29.3388, 46.8463 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7862, 29.3388, 46.8463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

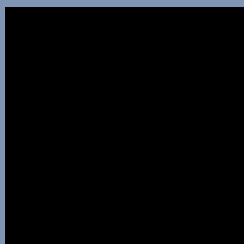
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

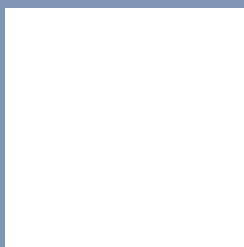
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7862, 29.3388, 46.8463

Background



This preview shows how black text looks on a background with the XYZ color 27.7862, 29.3388, 46.8463.



This preview shows how white text looks on a background with the XYZ color 27.7862, 29.3388,

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

27.7862, 29.3388, 46.8463

Protanopia

29.0299, 29.3075, 45.7219

Deuteranopia

29.8885, 29.2615, 47.2528



Tritanopia

26.3865, 29.4968, 39.4247

Trichromacy



Original Color

27.7862, 29.3388, 46.8463

Protanomaly

28.6229, 29.3160, 46.2694

Deuteranomaly

29.1646, 29.3420, 47.3065

Tritanomaly

26.8322, 29.4334, 41.8031

Monochromacy



Original Color

27.7862, 29.3388, 46.8463

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.2527, 28.8250, 36.4752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7862, 29.3388, 46.8463 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(128, 149, 179)` looks like.

```
.text, #text, p{  
    color:rgb(128, 149, 179)  
}
```

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(128, 149, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 149, 179) }
```

Border

The CSS property to change the border of an element to XYZ 27.7862, 29.3388, 46.8463 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(128, 149, 179) }
```


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

```
.border{ border-color:rgb(128, 149, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 149, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 149, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 149, 179);  
box-shadow:4px 4px 4px 4px rgb(128, 149,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7862, 29.3388, 46.8463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 149, 179) }
```

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

```
.background{ background-color: rgb(128,  
149, 179) }
```

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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