

Converting Colors

XYZ(27.7732, 30.2313, 50.2789)

Have a look what the booklet for
XYZ(27.7732, 30.2313, 50.2789)
contains.

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Color

**XYZ(27.7559, 30.2072,
50.2666)**

Conversions

Conversions Part 1

Format	Color
Hex	7799B9
RGB	119, 153, 185
RGB Percent	47%, 60%, 73%
CMY	0.5333, 0.4000, 0.2745
CMYK	0.36, 0.17, 0.00, 0.27
HSL	209°, 32%, 60%
HSV	209°, 36%, 73%
XYZ	27.7559, 30.2072, 50.2666
YIQ	146.4820, -30.5360, 2.7440

Conversions

Conversions Part 2

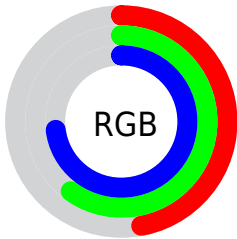
Format	Color
RYB	119, 141, 185
Decimal	7838137
CIELab	61.83, -3.76, -20.38
CIElCh	62, 20.724, 259.541
Yxy	30.2072, 0.2565, 0.2791
Android (android.graphics.Color)	4286028217 (0xFF7799B9)
YUV	146.4820, 18.9894, -24.1017
Hunter-Lab	54.9611, -6.0376, -15.7530

Details

The XYZ color **27.7559, 30.2072, 50.2666** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.4044, 33.7797, 22.1604**, and the grayscale version is **27.4536, 28.8834, 31.4540**.

A 20% lighter version of the original color is **55.4236, 59.8608, 91.8522**, and **11.2310, 12.3620, 23.6240** is the 20% darker color. If you saturate the color by 10%, you get **24.0467, 26.1976, 49.6887**, and if you desaturate by 10%, it is **32.0716, 34.6947, 50.9058**.

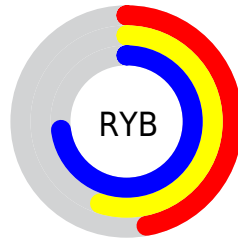
Distribution



Red (47%)

Green (60%)

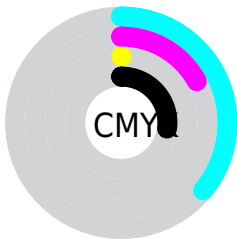
Blue (73%)



Red (47%)

Yellow (55%)

Blue (73%)

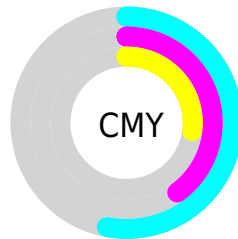


Cyan (36%)

Magenta (17%)

Yellow (0%)

Black (27%)



Cyan (53%)

Magenta (40%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7559, 30.2072, 50.2666 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 27.7559, 30.2072, 50.2666 by changing the saturation by 10% instead.

■ 27.7559, 30.2072,
50.2666

■ 27.7559, 30.2072,
50.2666

283.3999,
302.8691, 404.4725

■ 18.2812, 19.9959,
35.2526

■ 55.5059, 59.9897,
91.9701

■ 11.2530, 12.3921,
23.5724

■ 74.5119, 80.3297,
119.4967

■ 6.3058, 7.0113,
14.8075

■ 97.4257, 104.8147,
152.0313

■ 3.0743, 3.4692,
8.5393

124.6128,
133.8292, 189.9924

■ 1.1932, 1.3813,
4.3492

156.4384,
167.7574, 233.7985

■ 0.1010, 0.2029,
1.8188

193.2679,

■ 0.0000, 0.0000,

206.9839, 283.8682

0.4403

235.4666,
251.8930, 340.6200

■ 0.0000, 0.0000,
0.0000

■ 27.7559, 30.2072,
50.2666

■ 27.7559, 30.2072,
50.2666

■ 24.0467, 26.1976,
49.6887

■ 32.0716, 34.6947,
50.9058

■ 20.9099, 22.6426,
49.1678

■ 37.0198, 39.6748,
51.6063

■ 18.3122, 19.5222,
48.7024

■ 42.6282, 45.1660,
52.3706

■ 16.2153, 16.8126,
48.2900

■ 48.9220, 51.1845,
53.2006

■ 14.5750, 14.4872,
47.9276

■ 55.9251, 57.7457,
54.0979

■ 13.3368, 12.5136,
47.6119

■ 63.6602, 64.8644,
55.0643

■ 12.8770, 11.7427,
47.4873

■ 72.1488, 72.5549,
56.1013

■ 76.8569, 78.4825,
56.9973

■ 79.3423, 83.4534,
57.8258

Harmonies

Analogous

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



25.3949, 30.2072, 45.9006



27.7559, 30.2072, 50.2666



30.5277, 30.2072, 49.4426

Triad

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



27.7559, 30.2072, 50.2666



34.0229, 30.2072, 28.0524



24.8499, 30.2072, 23.9601

Complementary

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



27.7559, 30.2072, 50.2666



34.4044, 33.7797, 22.1604

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.



26.9679, 30.2072, 20.5185



27.7559, 30.2072, 50.2666



32.3040, 30.2072, 22.6052

Square

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



27.7559, 30.2072, 50.2666



34.2677, 30.2072, 35.7351



29.6878, 30.2072, 20.0660



23.7901, 30.2072, 30.2010

Rectangle

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



27.7559, 30.2072, 50.2666



32.2333, 30.2072, 46.0970



29.6878, 30.2072, 20.0660



25.4552, 30.2072, 22.4831

Sweetspot

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



27.7569, 30.2084, 50.2673



70.6672, 75.3619, 93.0264



30.5352, 40.8516, 35.5121



14.9482, 15.9654, 20.0154



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.7569, 30.2084, 50.2673



44.2941, 48.2698, 89.1871



23.0940, 20.8825, 48.7130



8.8934, 9.4641, 11.4374



8.8412, 8.1422, 32.3587



0.3734, 0.4104, 1.1613

Inverse Universe

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



32.3549, 25.8087, 33.4146



53.9910, 39.9647, 53.4279



40.4576, 45.8862, 24.1781



9.1925, 9.0874, 10.3614



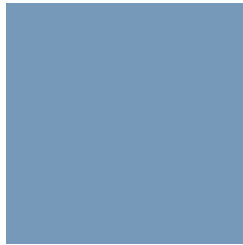
15.0763, 7.6043, 8.2887



0.5626, 0.2805, 0.4562

Previews

White Background



This preview shows how the XYZ color 27.7559, 30.2072, 50.2666 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 27.7559, 30.2072, 50.2666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

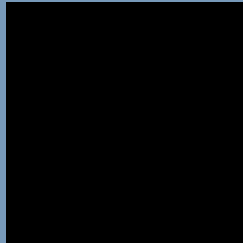
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

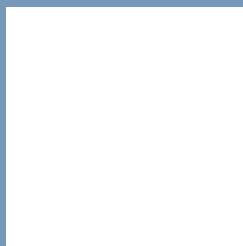
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7559, 30.2072, 50.2666

Background



This preview shows how black text looks on a background with the XYZ color 27.7559, 30.2072, 50.2666.

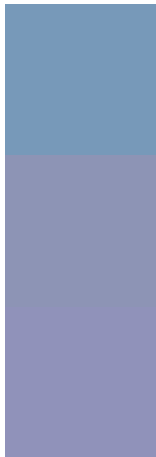


This preview shows how white text looks on a background with the XYZ color 27.7559, 30.2072,

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

27.7559, 30.2072, 50.2666

Protanopia

29.9149, 30.1787, 47.9645

Deuteranopia

30.6434, 30.0322, 50.6361



Tritanopia

26.0266, 30.2489, 41.5127

Trichromacy



Original Color

27.7559, 30.2072, 50.2666

Protanomaly

29.0227, 30.1766, 48.5510

Deuteranomaly

29.6020, 30.1910, 50.7216

Tritanomaly

26.5638, 30.2117, 44.4758

Monochromacy



Original Color

27.7559, 30.2072, 50.2666

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.2460, 29.2672, 37.4708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7559, 30.2072, 50.2666 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(119, 153, 185)` looks like.

```
.text, #text, p{  
    color:rgb(119, 153, 185)  
}
```

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(119, 153, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 153, 185) }
```

Border

The CSS property to change the border of an element to XYZ 27.7559, 30.2072, 50.2666 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(119, 153, 185) }
```


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

```
.border{ border-color:rgb(119, 153, 185) }
```

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

Here you see how a box with a 4 pixel rgb(119, 153, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 153, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 153, 185);  
box-shadow:4px 4px 4px 4px rgb(119, 153,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7559, 30.2072, 50.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 153, 185) }
```

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

```
.background{ background-color: rgb(119,  
153, 185) }
```

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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