

Converting Colors

XYZ(28.3699, 30.0152, 48.5542)

Have a look what the booklet for
XYZ(28.3699, 30.0152, 48.5542)
contains.

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Color

**XYZ(28.4122, 30.0998,
48.5683)**

Conversions

Conversions Part 1

Format	Color
Hex	8097B6
RGB	128, 151, 182
RGB Percent	50%, 59%, 71%
CMY	0.4980, 0.4078, 0.2863
CMYK	0.30, 0.17, 0.00, 0.29
HSL	214°, 27%, 61%
HSV	214°, 30%, 71%
XYZ	28.4122, 30.0998, 48.5683
YIQ	147.6570, -23.6590, 4.7650

Conversions

Conversions Part 2

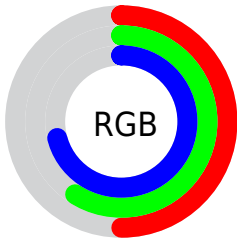
Format	Color
RYB	128, 144, 182
Decimal	8427446
CIELab	61.74, -0.77, -18.78
CIELCh	62, 18.794, 267.652
Yxy	30.0998, 0.2653, 0.2811
Android (android.graphics.Color)	4286617526 (0xFF8097B6)
YUV	147.6570, 16.9311, -17.2392
Hunter-Lab	54.8633, -3.5705, -14.0828

Details

The XYZ color **28.4122, 30.0998, 48.5683** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **35.5863, 36.3003, 25.5540**, and the grayscale version is **27.9452, 29.4005, 32.0171**.

A 20% lighter version of the original color is **56.5553, 59.7808, 89.4470**, and **11.5802, 12.2771, 22.5283** is the 20% darker color. If you saturate the color by 10%, you get **24.3089, 25.5986, 47.9163**, and if you desaturate by 10%, it is **33.1575, 35.1546, 49.2944**.

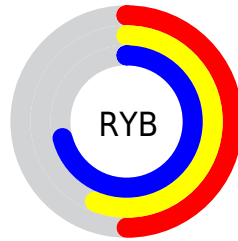
Distribution



Red (50%)

Green (59%)

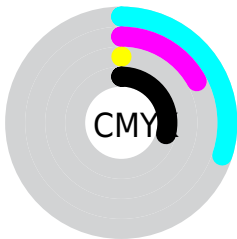
Blue (71%)



Red (50%)

Yellow (56%)

Blue (71%)

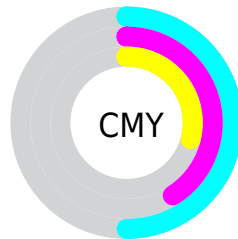


Cyan (30%)

Magenta (17%)

Yellow (0%)

Black (29%)



Cyan (50%)

Magenta (41%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4122, 30.0998, 48.5683 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 28.4122, 30.0998, 48.5683 by changing the saturation by 10% instead.

■ 28.4122, 30.0998,
48.5683

■ 28.4122, 30.0998,
48.5683

286.4758,
302.3694, 397.6138

■ 18.7787, 19.9144,
33.9140

■ 56.5459, 59.8200,
89.4243

■ 11.6135, 12.3328,
22.5507

■ 75.7768, 80.1235,
116.4630

■ 6.5514, 6.9708,
14.0599

■ 98.9375, 104.5685,
148.4670

■ 3.2270, 3.4438,
8.0231

126.3934,
133.5393, 185.8547

■ 1.2749, 1.3676,
4.0218

158.5098,
167.4205, 229.0447

■ 0.1643, 0.1927,
1.6373

195.6521,

■ 0.0000, 0.0000,

206.5962, 278.4555

0.3172

238.1857,
251.4511, 334.5057

■ 0.0000, 0.0000,
0.0000

■ 28.4122, 30.0998,
48.5683

■ 28.4122, 30.0998,
48.5683

■ 24.3089, 25.5986,
47.9163

■ 33.1575, 35.1546,
49.2944

■ 20.8145, 21.6261,
47.3337

■ 38.5699, 40.7793,
50.0948

■ 17.8974, 18.1608,
46.8185

■ 44.6767, 46.9941,
50.9725

■ 15.5215, 15.1778,
46.3680

■ 51.5026, 53.8167,
51.9296

■ 13.6461, 12.6498,
45.9789

■ 59.0711, 61.2643,
52.9683

■ 12.2240, 10.5453,
45.6476

■ 67.4047, 69.3533,
54.0904

■ 11.1661, 8.8114,
45.3687

■ 76.3763, 78.0229,
55.2909

■ 11.1342, 8.7586,
45.3602

■ 79.2734, 83.8172,
56.2566

■ 82.3462, 89.9626,
57.2809

Harmonies

Analogous

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



26.1098, 30.0998, 45.8546



28.4122, 30.0998, 48.5683



30.9017, 30.0998, 46.5648

Triad

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



28.4122, 30.0998, 48.5683



33.0883, 30.0998, 26.7826



24.7318, 30.0998, 25.9366

Complementary

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



28.4122, 30.0998, 48.5683



35.5863, 36.3003, 25.5540

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.



26.4325, 30.0998, 22.0158



28.4122, 30.0998, 48.5683



31.2627, 30.0998, 22.4519

Square

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



28.4122, 30.0998, 48.5683



33.6933, 30.0998, 33.3416



28.8066, 30.0998, 20.8385



24.0637, 30.0998, 32.2120

Rectangle

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



28.4122, 30.0998, 48.5683



32.3162, 30.0998, 42.9653



28.8066, 30.0998, 20.8385



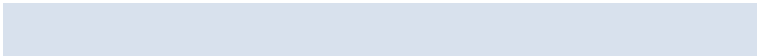
25.1967, 30.0998, 24.3362

Sweetspot

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



28.4132, 30.1010, 48.5690



70.4673, 74.4878, 90.8993



31.8541, 40.5351, 38.7651



15.2298, 16.1083, 20.0281



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.



28.4132, 30.1010, 48.5690



46.2283, 48.8036, 87.2193



25.6168, 23.6900, 47.4789



8.8272, 9.3315, 11.4154



7.9259, 6.3115, 32.0536



0.3410, 0.3458, 1.1505

Inverse Universe

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



32.5973, 27.6187, 32.8923



55.2593, 44.0511, 53.2467



39.0768, 44.5273, 26.9580



9.1591, 9.0740, 10.1852



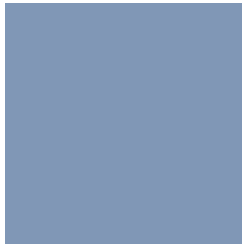
14.6143, 7.4195, 5.8557



0.5463, 0.2740, 0.3702

Previews

White Background



This preview shows how the XYZ color 28.4122, 30.0998, 48.5683 looks on a white background.

Color Contrast Check

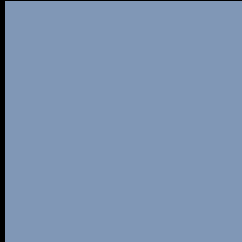
Large Text (above 18pt) WCAG AA × Fail

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 28.4122, 30.0998, 48.5683 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

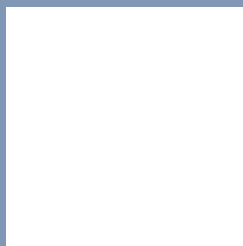
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4122, 30.0998, 48.5683

Background



This preview shows how black text looks on a background with the XYZ color 28.4122, 30.0998, 48.5683.



This preview shows how white text looks on a background with the XYZ color 28.4122, 30.0998,

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

28.4122, 30.0998, 48.5683

Protanopia

29.8273, 29.9135, 47.3818

Deuteranopia

30.6802, 30.0877, 48.9902



Tritanopia

26.8960, 30.2244, 40.4927

Trichromacy



Original Color

28.4122, 30.0998, 48.5683

Protanomaly

29.2469, 29.8344, 47.9332

Deuteranomaly

29.7846, 30.0877, 49.0374

Tritanomaly

27.4418, 30.1966, 43.4119

Monochromacy



Original Color

28.4122, 30.0998, 48.5683

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.0771, 29.6957, 37.5097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4122, 30.0998, 48.5683 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, 151, 182)` looks like.

```
.text, #text, p{  
    color:rgb(128, 151, 182)  
}
```

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, 151, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 151, 182) }
```

Border

The CSS property to change the border of an element to XYZ 28.4122, 30.0998, 48.5683 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, 151, 182) }
```


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

```
.border{ border-color:rgb(128, 151, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 151, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 151, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 151, 182);  
box-shadow:4px 4px 4px 4px rgb(128, 151,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4122, 30.0998, 48.5683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 151, 182) }
```

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

```
.background{ background-color: rgb(128,  
151, 182) }
```

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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