

Converting Colors

XYZ(27.8366, 30.1848, 46.7425)

Have a look what the booklet for
XYZ(27.8366, 30.1848, 46.7425)
contains.

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Color

**XYZ(27.8224, 30.0711,
46.9857)**

Conversions

Conversions Part 1

Format	Color
Hex	7D98B3
RGB	125, 152, 179
RGB Percent	49%, 60%, 70%
CMY	0.5098, 0.4039, 0.2980
CMYK	0.30, 0.15, 0.00, 0.30
HSL	210°, 26%, 60%
HSV	210°, 30%, 70%
XYZ	27.8224, 30.0711, 46.9857
YIQ	147.0050, -24.7590, 2.6730

Conversions

Conversions Part 2

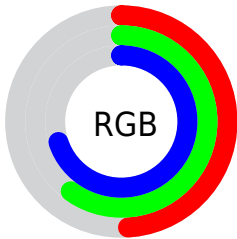
Format	Color
R _Y B	125, 143, 179
Decimal	8231091
CIE Lab	61.72, -2.99, -17.14
CIE LCh	62, 17.402, 260.097
Yxy	30.0711, 0.2653, 0.2867
Android (android.graphics.Color)	4286421171 (0xFF7D98B3)
YUV	147.0050, 15.7735, -19.2984
Hunter-Lab	54.8371, -5.4004, -12.4150

Details

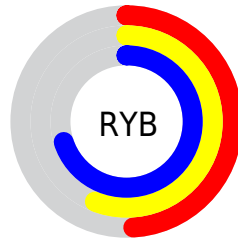
The XYZ color **27.8224, 30.0711, 46.9857** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **33.5209, 33.5214, 24.1065**, and the grayscale version is **27.6802, 29.1217, 31.7135**.

A 20% lighter version of the original color is **55.6571, 59.7245, 87.1918**, and **11.2436, 12.2696, 21.5143** is the 20% darker color. If you saturate the color by 10%, you get **24.0430, 26.0477, 46.4088**, and if you desaturate by 10%, it is **32.1843, 34.5589, 47.6225**.

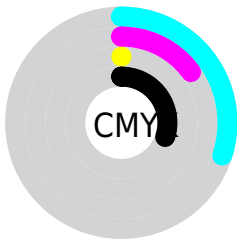
Distribution



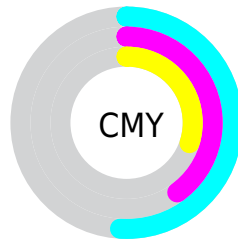
- Red (49%)
- Green (60%)
- Blue (70%)



- Red (49%)
- Yellow (56%)
- Blue (70%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)
- Black (30%)



- Cyan (51%)
- Magenta (40%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8224, 30.0711, 46.9857 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 27.8224, 30.0711, 46.9857 by changing the saturation by 10% instead.

■ 27.8224, 30.0711,
46.9857

■ 27.8224, 30.0711,
46.9857

283.7128,
302.2357, 391.1496

■ 18.3316, 19.8926,
32.6701

■ 55.6114, 59.7746,
87.0420

■ 11.2894, 12.3170,
21.6048

■ 74.6403, 80.0684,
113.6198

■ 6.3306, 6.9599,
13.3713

■ 97.5793, 104.5026,
145.1221

■ 3.0897, 3.4371,
7.5510

124.7937,
133.4618, 181.9674

■ 1.2014, 1.3639,
3.7254

156.6489,
167.3303, 224.5743

■ 0.1074, 0.1899,
1.4759

193.5102,

■ 0.0000, 0.0000,

206.4926, 273.3612

0.1999

235.7431,
251.3329, 328.7468

0.0000, 0.0000,
0.0000

27.8224, 30.0711,
46.9857

27.8224, 30.0711,
46.9857

24.0430, 26.0477,
46.4088

32.1843, 34.5589,
47.6225

20.8155, 22.4674,
45.8879

37.1515, 39.5242,
48.3191

18.1106, 19.3119,
45.4213

42.7491, 44.9840,
49.0780

15.8951, 16.5604,
45.0070

48.9999, 50.9533,
49.9007

14.1313, 14.1893,
44.6423

55.9254, 57.4465,
50.7890

■ 12.7751, 12.1719,
44.3244

■ 63.5461, 64.4770,
51.7444

■ 11.7512, 10.4836,
44.0525

■ 71.8817, 72.0582,
52.7684

■ 75.9253, 77.6117,
53.6272

■ 78.3886, 82.5384,
54.4483

Harmonies

Analogous

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



25.8184, 30.0711, 43.5360



27.8224, 30.0711, 46.9857



30.1397, 30.0711, 46.2433

Triad

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



27.8224, 30.0711, 46.9857



32.9723, 30.0711, 28.5516



25.2989, 30.0711, 25.2216

Complementary

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



27.8224, 30.0711, 46.9857



33.5209, 33.5214, 24.1065

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.



27.0783, 30.0711, 22.1637



27.8224, 30.0711, 46.9857



31.5354, 30.0711, 23.8986

Square

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



27.8224, 30.0711, 46.9857



33.1981, 30.0711, 34.9858



29.3546, 30.0711, 21.7145



24.4144, 30.0711, 30.5969

Rectangle

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



27.8224, 30.0711, 46.9857



31.5477, 30.0711, 43.5026



29.3546, 30.0711, 21.7145



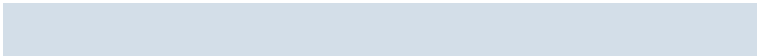
25.8076, 30.0711, 23.9210

Sweetspot

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



27.8233, 30.0723, 46.9864



67.5013, 71.7370, 86.6701



30.1724, 38.8384, 35.2279



14.6516, 15.5942, 19.1600



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.



27.8233, 30.0723, 46.9864



45.3528, 49.1222, 83.4723



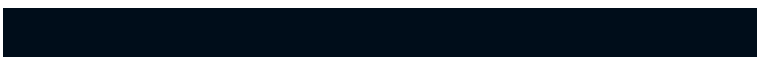
24.0431, 22.5118, 45.7263



8.3813, 8.9087, 10.7841



8.3690, 7.5383, 31.1509



0.3217, 0.3539, 0.9996

Inverse Universe

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



31.5923, 26.5189, 33.1605



53.2905, 42.2350, 54.2207



38.2330, 42.9455, 25.6772



8.6676, 8.5738, 9.7482



14.4589, 7.3011, 7.5766



0.4844, 0.2415, 0.3935

Previews

White Background



This preview shows how the XYZ color 27.8224, 30.0711, 46.9857 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 27.8224, 30.0711, 46.9857 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

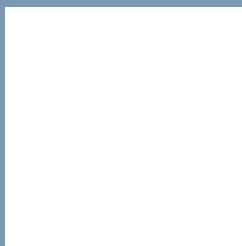
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8224, 30.0711, 46.9857

Background



This preview shows how black text looks on a background with the XYZ color 27.8224, 30.0711, 46.9857.



This preview shows how white text looks on a background with the XYZ color 27.8224, 30.0711,

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

27.8224, 30.0711, 46.9857

Protanopia

29.5979, 29.8417, 45.2743

Deuteranopia

30.3962, 29.7491, 47.3201



Tritanopia

26.4646, 30.0020, 40.4725

Trichromacy



Original Color

27.8224, 30.0711, 46.9857

Protanomaly

28.8366, 29.9035, 45.8471

Deuteranomaly

29.4756, 29.9641, 47.4101

Tritanomaly

26.9103, 29.9337, 42.8875

Monochromacy



Original Color

27.8224, 30.0711, 46.9857

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.6529, 29.4871, 37.0350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8224, 30.0711, 46.9857 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(125, 152, 179)` looks like.

```
.text, #text, p{  
    color:rgb(125, 152, 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(125, 152, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 152, 179) }
```

Border

The CSS property to change the border of an element to XYZ 27.8224, 30.0711, 46.9857 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(125, 152, 179) }
```


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

```
.border{ border-color:rgb(125, 152, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 152, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 152, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 152, 179);  
box-shadow:4px 4px 4px 4px rgb(125, 152,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8224, 30.0711, 46.9857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 152, 179) }
```

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

```
.background{ background-color: rgb(125,  
152, 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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