

Converting Colors

XYZ(27.9467, 28.1233, 55.1052)

Have a look what the booklet for
XYZ(27.9467, 28.1233, 55.1052)
contains.

XYZ(27.8792, 28.0525, 54.9842)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.8792, 28.0525,
54.9842)**

Conversions

Conversions Part 1

Format	Color
Hex	7B90C2
RGB	123, 144, 194
RGB Percent	48%, 56%, 76%
CMY	0.5176, 0.4353, 0.2392
CMYK	0.37, 0.26, 0.00, 0.24
HSL	222°, 37%, 62%
HSV	222°, 37%, 76%
XYZ	27.8792, 28.0525, 54.9842
YIQ	143.4210, -28.5660, 11.0980

Conversions

Conversions Part 2

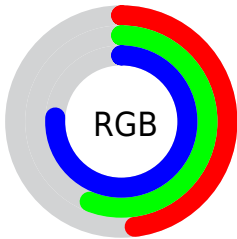
Format	Color
R _Y B	123, 139, 194
Decimal	8097986
CIE Lab	59.94, 4.90, -28.34
CIE LCh	60, 28.762, 279.814
Yxy	28.0525, 0.2514, 0.2529
Android (android.graphics.Color)	4286288066 (0xFF7B90C2)
YUV	143.4210, 24.9354, -17.9092
Hunter-Lab	52.9646, 1.2697, -24.4756

Details

The XYZ color **27.8792, 28.0525, 54.9842** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **40.7674, 42.7871, 24.8499**, and the grayscale version is **26.1890, 27.5528, 30.0050**.

A 20% lighter version of the original color is **55.7381, 56.7003, 99.2733**, and **11.3349, 11.2384, 26.3828** is the 20% darker color. If you saturate the color by 10%, you get **23.4286, 22.8705, 54.2190**, and if you desaturate by 10%, it is **33.1320, 34.0210, 55.8599**.

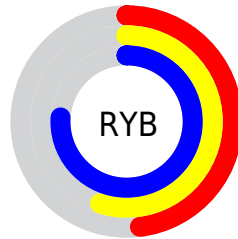
Distribution



Red (48%)

Green (56%)

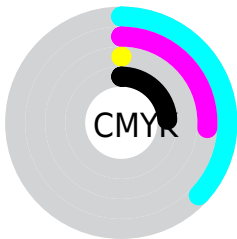
Blue (76%)



Red (48%)

Yellow (55%)

Blue (76%)

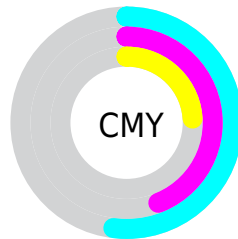


Cyan (37%)

Magenta (26%)

Yellow (0%)

Black (24%)



Cyan (52%)

Magenta (44%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8792, 28.0525, 54.9842 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 27.8792, 28.0525, 54.9842 by changing the saturation by 10% instead.

■ 27.8792, 28.0525,
54.9842

■ 27.8792, 28.0525,
54.9842

283.9798,
292.7177, 423.1323

■ 18.3746, 18.3652,
38.9906

■ 55.7015, 56.5683,
98.9887

■ 11.3206, 11.2125,
26.4446

■ 74.7499, 76.1655,
127.8367

■ 6.3518, 6.2100,
16.9278

■ 97.7104, 99.8349,
161.8065

■ 3.1028, 2.9732,
10.0216

124.9481,
127.9609, 201.3167

■ 1.2084, 1.1177,
5.3075

156.8286,
160.9277, 246.7859

■ 0.1130, 0.0000,
2.3669

193.7171,

■ 0.0000, 0.0000,

199.1199, 298.6325

0.7683

235.9791,
242.9217, 357.2751

■ 0.0000, 0.0000,
0.0000

■ 27.8792, 28.0525,
54.9842

■ 27.8792, 28.0525,
54.9842

■ 23.4286, 22.8705,
54.2190

■ 33.1320, 34.0210,
55.8599

■ 19.7360, 18.4371,
53.5579

■ 39.2227, 40.8052,
56.8483

■ 16.7566, 14.7160,
52.9967

■ 46.1879, 48.4365,
57.9542

■ 14.4397, 11.6661,
52.5302

■ 54.0616, 56.9438,
59.1813

■ 12.7271, 9.2414,
52.1524

■ 62.8755, 66.3544,
60.5332

■ 11.5447, 7.3863,
51.8567

■ 72.6599, 76.6947,
62.0134

■ 11.2198, 6.8592,
51.7720

■ 82.0307, 87.2612,
63.5590

■ 86.1971, 95.5939,
64.9478

■ 86.7377, 96.6751,
65.1280

Harmonies

Analogous

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



24.3104, 28.0525, 53.6021



27.8792, 28.0525, 54.9842



31.4217, 28.0525, 48.7633

Triad

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



27.8792, 28.0525, 54.9842



32.4349, 28.0525, 19.3829



20.5949, 28.0525, 24.1113

Complementary

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



27.8792, 28.0525, 54.9842



40.7674, 42.7871, 24.8499

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.



22.4109, 28.0525, 17.5441



27.8792, 28.0525, 54.9842



29.1628, 28.0525, 15.2783

Square

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



27.8792, 28.0525, 54.9842



34.2063, 28.0525, 27.2400



25.4828, 28.0525, 14.6925



20.3193, 28.0525, 34.1058

Rectangle

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



27.8792, 28.0525, 54.9842



33.2121, 28.0525, 41.8255



25.4828, 28.0525, 14.6925



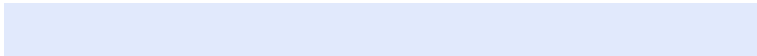
21.0370, 28.0525, 21.4995

Sweetspot

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



27.8801, 28.0536, 54.9849



77.7029, 81.2310, 104.0536



34.9747, 45.8007, 46.3809



16.6351, 17.3711, 22.7261



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.8801, 28.0536, 54.9849



43.8699, 43.1120, 98.4791



27.1708, 23.3972, 54.1235



9.7657, 10.2227, 12.7433



7.4395, 4.6355, 34.0593



0.3830, 0.3235, 1.4921

Inverse Universe

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



34.3659, 27.6498, 29.9123



57.5500, 43.0041, 45.4278



41.6434, 49.6935, 26.1368



10.1930, 10.1258, 11.1071



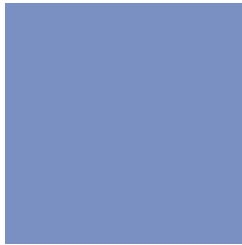
15.1511, 7.7502, 3.4417



0.6857, 0.3473, 0.3125

Previews

White Background



This preview shows how the XYZ color 27.8792, 28.0525, 54.9842 looks on a white background.

Color Contrast Check

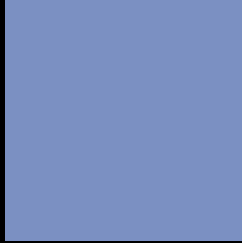
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8792, 28.0525, 54.9842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

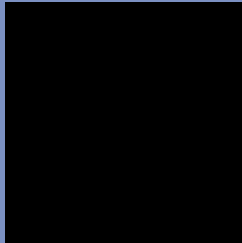
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

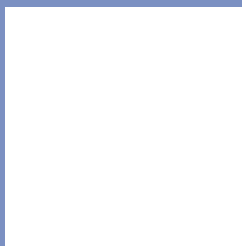
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8792, 28.0525, 54.9842

Background



This preview shows how black text looks on a background with the XYZ color 27.8792, 28.0525, 54.9842.



This preview shows how white text looks on a background with the XYZ color 27.8792, 28.0525,

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

27.8792, 28.0525, 54.9842

Protanopia

28.5046, 27.9421, 54.3431

Deuteranopia

28.6165, 27.9869, 54.9327



Tritanopia

24.4982, 28.0662, 38.3085

Trichromacy



Original Color

27.8792, 28.0525, 54.9842

Protanomaly

28.2005, 28.0072, 54.3717

Deuteranomaly

28.3125, 28.0520, 54.9613

Tritanomaly

25.7011, 28.0874, 44.1112

Monochromacy



Original Color

27.8792, 28.0525, 54.9842

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.4974, 27.4878, 38.0915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8792, 28.0525, 54.9842 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(123, 144, 194)` looks like.

```
.text, #text, p{  
    color:rgb(123, 144, 194)  
}
```

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(123, 144, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 144, 194) }
```

Border

The CSS property to change the border of an element to XYZ 27.8792, 28.0525, 54.9842 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(123, 144, 194) }
```


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

```
.border{ border-color:rgb(123, 144, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 144, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 144, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 144, 194);  
box-shadow:4px 4px 4px 4px rgb(123, 144,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8792, 28.0525, 54.9842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 144, 194) }
```

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

```
.background{ background-color: rgb(123,  
144, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor