

Converting Colors

XYZ(20.5163, 28.7524, 4.4685)

Have a look what the booklet for
XYZ(20.5163, 28.7524, 4.4685)
contains.

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Color

**XYZ(20.5390, 28.7388,
4.4646)**

Conversions

Conversions Part 1

Format	Color
Hex	7C9E00
RGB	124, 158, 0
RGB Percent	49%, 62%, 0%
CMY	0.5137, 0.3804, 0.9999
CMYK	0.22, 0.00, 1.00, 0.38
HSL	73°, 100%, 31%
HSV	73°, 100%, 62%
XYZ	20.5390, 28.7388, 4.4646
YIQ	129.8220, 30.4540, -56.3460

Conversions

Conversions Part 2

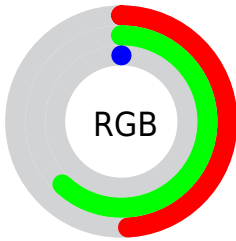
Format	Color
RYB	0, 158, 34
Decimal	8166912
CIELab	60.55, -29.92, 63.02
CIELCh	61, 69.757, 115.395
Yxy	28.7388, 0.3822, 0.5348
Android (android.graphics.Color)	4286356992 (0xFF7C9E00)
YUV	129.8220, -64.0022, -5.1059
Hunter-Lab	53.6086, -25.4265, 32.5883

Details

The XYZ color **20.5390, 28.7388, 4.4646** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.8323, 2.8094, 32.5317**, and the grayscale version is **21.3678, 22.4806, 24.4814**.

A 20% lighter version of the original color is **43.8192, 57.7728, 15.1451**, and **7.6798, 11.6102, 1.8362** is the 20% darker color. If you saturate the color by 10%, you get **20.5392, 28.7399, 4.4648**, and if you desaturate by 10%, it is **21.1317, 29.0347, 4.9734**.

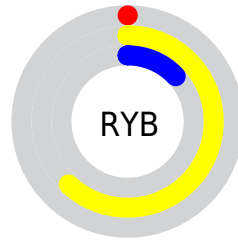
Distribution



Red (49%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (13%)

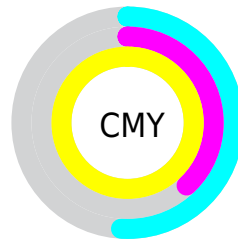


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (51%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5390, 28.7388, 4.4646 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 20.5390, 28.7388, 4.4646 by changing the saturation by 10% instead.

■ 20.5390, 28.7388,
4.4646

■ 20.5390, 28.7388,
4.4646

247.5966,
295.9805, 153.2573

■ 12.8980, 18.8833,
1.8835

■ 43.8161, 57.6618,
15.0678

■ 7.4348, 11.5860,
0.4822

■ 60.1829, 77.4982,
23.9271

■ 3.7842, 6.4624,
0.0000

■ 80.1890, 101.4302,
35.7161

■ 1.5808, 3.1283,
0.0000

■ 104.1998,
129.8425, 50.8535

■ 0.3799, 1.1991,
0.0000

■ 132.5806,
163.1192, 69.7578


■ 0.0000, 0.0609,
0.0000


■ 165.6968,


■ 0.0000, 0.0000,


201.6449, 92.8475


0.0000


 203.9136,
245.8038, 120.5412


 20.5390, 28.7388,
4.4646


 20.5390, 28.7388,
4.4646


 20.5392, 28.7399,
4.4648

 21.1317, 29.0347,
4.9734

 21.8122, 29.3666,
5.8578

 22.6127, 29.7485,
7.2835

 23.5463, 30.1857,
9.3195

 24.6243, 30.6827,
12.0245

■ 25.8569, 31.2436,
15.4503

■ 27.2530, 31.8720,
19.6437

■ 28.8209, 32.5711,
24.6475

■ 30.5683, 33.3442,
30.5014

Harmonies

Analogous

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



28.7301, 28.7388, 3.3151



20.5390, 28.7388, 4.4646



15.3933, 28.7388, 10.7255

Triad

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



20.5390, 28.7388, 4.4646



18.6105, 28.7388, 92.4715



48.4785, 28.7388, 35.4468

Complementary

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



20.5390, 28.7388, 4.4646



6.8323, 2.8094, 32.5317

Split Complementary

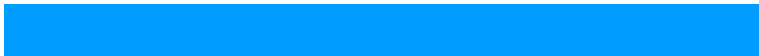
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.2000, 28.7388, 68.7737



20.5390, 28.7388, 4.4646



25.9479, 28.7388, 111.3772

Square

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



20.5390, 28.7388, 4.4646



14.4636, 28.7388, 57.7568



35.4389, 28.7388, 100.9201



46.1451, 28.7388, 14.4723

Rectangle

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



20.5390, 28.7388, 4.4646



13.7466, 28.7388, 20.3739



35.4389, 28.7388, 100.9201



47.7436, 28.7388, 45.5442

Sweetspot

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



20.5397, 28.7401, 4.4652



49.3295, 57.8050, 35.1781



14.6075, 8.2817, 0.8290



10.8876, 12.9271, 7.2177



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.5397, 28.7401, 4.4652



37.1233, 52.0991, 8.0995



13.4189, 25.0692, 4.1320



7.0304, 7.6483, 7.0914



16.4828, 23.0339, 3.5773



0.3268, 0.4284, 0.0655

Inverse Universe

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



6.8323, 2.8094, 32.5317



12.2659, 5.0286, 59.0676



12.6782, 5.8231, 32.8052



6.4116, 6.5007, 8.3235



5.4999, 2.2643, 26.0544



0.1296, 0.0566, 0.4673

Previews

White Background



This preview shows how the XYZ color 20.5390, 28.7388, 4.4646 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 20.5390, 28.7388, 4.4646 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 20.5390, 28.7388, 4.4646

Background



This preview shows how black text looks on a background with the XYZ color 20.5390, 28.7388, 4.4646.



This preview shows how white text looks on a background with the XYZ color 20.5390, 28.7388,

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

20.5390, 28.7388, 4.4646

Protanopia

25.5887, 28.4503, 4.1428

Deuteranopia

29.0774, 28.4560, 5.1224



Tritanopia

27.1730, 28.7739, 36.9226

Trichromacy



Original Color

20.5390, 28.7388, 4.4646

Protanomaly

23.3008, 28.2023, 4.2155

Deuteranomaly

25.1349, 27.9759, 4.6474

Tritanomaly

23.0884, 28.0593, 16.5110

Monochromacy



Original Color

20.5390, 28.7388, 4.4646

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.8415, 23.9699, 11.7645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5390, 28.7388, 4.4646 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(124, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(124, 158, 0)  
}
```

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(124, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.5390, 28.7388, 4.4646 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(124, 158, 0) }
```


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

```
.border{ border-color:rgb(124, 158, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(124, 158,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5390, 28.7388, 4.4646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 158, 0) }
```

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

```
.background{ background-color: rgb(124,  
158, 0) }
```

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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