

Converting Colors

XYZ(16.4653, 25.3982, 4.0345)

Have a look what the booklet for
XYZ(16.4653, 25.3982, 4.0345)
contains.

XYZ(16.4282, 25.3791, 4.0328)	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(16.4282, 25.3791,
4.0328)**

Conversions

Conversions Part 1

Format	Color
Hex	629900
RGB	98, 153, 0
RGB Percent	38%, 60%, 0%
CMY	0.6157, 0.4000, 1.0000
CMYK	0.36, 0.00, 1.00, 0.40
HSL	82°, 100%, 30%
HSV	82°, 100%, 60%
XYZ	16.4282, 25.3791, 4.0328
YIQ	119.1130, 16.3330, -59.2430

Conversions

Conversions Part 2

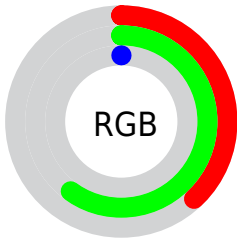
Format	Color
RYB	0, 153, 55
Decimal	6461696
CIELab	57.44, -38.05, 59.96
CIELCh	57, 71.011, 122.397
Yxy	25.3791, 0.3584, 0.5536
Android (android.graphics.Color)	4284651776 (0xFF629900)
YUV	119.1130, -58.7227, -18.5161
Hunter-Lab	50.3777, -29.9519, 30.5181

Details

The XYZ color **16.4282, 25.3791, 4.0328** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.3266, 3.1130, 30.3531**, and the grayscale version is **17.7481, 18.6723, 20.3342**.

A 20% lighter version of the original color is **37.0196, 52.4367, 14.1314**, and **5.6085, 9.7996, 1.5959** is the 20% darker color. If you saturate the color by 10%, you get **16.4282, 25.3799, 4.0330**, and if you desaturate by 10%, it is **17.1313, 25.7322, 4.5276**.

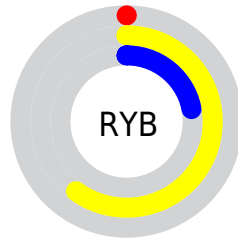
Distribution



Red (38%)

Green (60%)

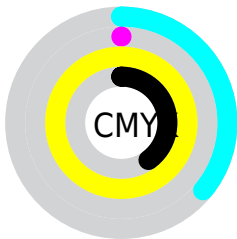
Blue (0%)



Red (0%)

Yellow (60%)

Blue (22%)

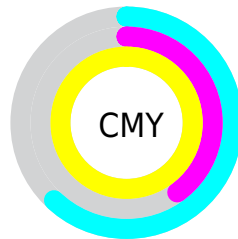


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (62%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4282, 25.3791, 4.0328 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 16.4282, 25.3791, 4.0328 by changing the saturation by 10% instead.

■ 16.4282, 25.3791,
4.0328

■ 16.4282, 25.3791,
4.0328

225.0764,
279.7207, 148.5892

■ 9.9204, 16.3597,
1.6434

■ 36.8915, 52.2716,
14.0853

■ 5.4081, 9.7791,
0.3215

■ 51.5777, 70.9135,
22.5855

■ 2.5258, 5.2527,
0.0000

■ 69.7208, 93.5316,
33.9597

■ 0.9083, 2.3963,
0.0000

■ 91.6860, 120.5105,
48.6264


■ 0.0000, 0.8240,
0.0000


■ 117.8389,
152.2344, 67.0041


■ 0.0000, 0.0000,
0.0000


■ 148.5447,


189.0878, 89.5115


 184.1687,
231.4551, 116.5670


 16.4282, 25.3791,
4.0328


 16.4282, 25.3791,
4.0328

 16.4282, 25.3799,
4.0330

 17.1313, 25.7322,
4.5276

 17.9408, 26.1317,
5.3681

 18.8881, 26.5913,
6.7130

 19.9860, 27.1161,
8.6257

 21.2454, 27.7105,
11.1605

■ 22.6762, 28.3787,
14.3652

■ 24.2873, 29.1242,
18.2831

■ 26.0868, 29.9503,
22.9536

■ 28.0824, 30.8603,
28.4135

Harmonies

Analogous

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



23.4496, 25.3791, 2.3491



16.4282, 25.3791, 4.0328



12.4069, 25.3791, 11.2050

Triad

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



16.4282, 25.3791, 4.0328



17.3552, 25.3791, 92.6975



44.2474, 25.3791, 25.7346

Complementary

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



16.4282, 25.3791, 4.0328



7.3266, 3.1130, 30.3531

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.



41.5564, 25.3791, 55.2566



16.4282, 25.3791, 4.0328



24.8073, 25.3791, 104.9693

Square

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



16.4282, 25.3791, 4.0328



12.8478, 25.3791, 60.7754



33.9065, 25.3791, 88.4088



40.5885, 25.3791, 9.4596

Rectangle

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



16.4282, 25.3791, 4.0328



11.3443, 25.3791, 21.9274



33.9065, 25.3791, 88.4088



44.0551, 25.3791, 34.2525

Sweetspot

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



16.4288, 25.3802, 4.0333



43.3109, 52.0714, 32.2824



14.4363, 9.3702, 1.0481



9.3112, 11.3814, 6.5042



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.4288, 25.3802, 4.0333



29.2111, 45.3429, 7.2125



11.7443, 22.9653, 3.8141



6.4934, 7.1118, 6.6363



13.6143, 20.9943, 3.3348



0.2430, 0.3342, 0.0517

Inverse Universe

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



7.3266, 3.1130, 30.3531



12.9333, 5.4778, 54.3476



14.9645, 7.0504, 30.7106



6.0837, 6.1290, 7.7913



6.0884, 2.5898, 25.0867



0.1284, 0.0580, 0.3768

Previews

White Background



This preview shows how the XYZ color 16.4282, 25.3791, 4.0328 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 16.4282, 25.3791, 4.0328 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 16.4282, 25.3791, 4.0328

Background



This preview shows how black text looks on a background with the XYZ color 16.4282, 25.3791, 4.0328.



This preview shows how white text looks on a background with the XYZ color 16.4282, 25.3791,

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

16.4282, 25.3791, 4.0328

Protanopia

22.6060, 25.1455, 3.6621

Deuteranopia

25.4506, 24.9432, 4.7014



Tritanopia

22.4452, 25.2565, 34.2639

Trichromacy



Original Color

16.4282, 25.3791, 4.0328

Protanomaly

19.6540, 24.7133, 3.7343

Deuteranomaly

21.0601, 24.3350, 4.2032

Tritanomaly

18.6678, 24.6278, 15.3250

Monochromacy



Original Color

16.4282, 25.3791, 4.0328

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

15.9764, 20.1339, 9.8817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4282, 25.3791, 4.0328 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(98, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(98, 153, 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(98, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.4282, 25.3791, 4.0328 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(98, 153, 0) }
```


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

```
.border{ border-color:rgb(98, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(98, 153, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.4282, 25.3791, 4.0328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 153, 0) }
```

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

```
.background{ background-color: rgb(98, 153,  
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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