

Converting Colors

XYZ(16.7077, 25.2813, 3.9992)

Have a look what the booklet for
XYZ(16.7077, 25.2813, 3.9992)
contains.

XYZ(16.7077, 25.2813, 3.9992)	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(16.7077, 25.2813,
3.9992)**

Conversions

Conversions Part 1

Format	Color
Hex	669800
RGB	102, 152, 0
RGB Percent	40%, 60%, 0%
CMY	0.6000, 0.4039, 0.9999
CMYK	0.33, 0.00, 1.00, 0.40
HSL	80°, 100%, 30%
HSV	80°, 100%, 60%
XYZ	16.7077, 25.2813, 3.9992
YIQ	119.7220, 18.9920, -57.8720

Conversions

Conversions Part 2

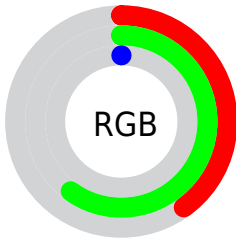
Format	Color
RYB	0, 152, 50
Decimal	6723584
CIELab	57.35, -36.07, 59.98
CIELCh	57, 69.991, 121.019
Yxy	25.2813, 0.3633, 0.5497
Android (android.graphics.Color)	4284913664 (0xFF669800)
YUV	119.7220, -59.0229, -15.5422
Hunter-Lab	50.2805, -28.6772, 30.4806

Details

The XYZ color **16.7077, 25.2813, 3.9992** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.9842, 2.9460, 29.9079**, and the grayscale version is **17.9431, 18.8775, 20.5576**.

A 20% lighter version of the original color is **37.5507, 52.3497, 14.0866**, and **5.8260, 9.9117, 1.6061** is the 20% darker color. If you saturate the color by 10%, you get **16.7077, 25.2821, 3.9994**, and if you desaturate by 10%, it is **17.3800, 25.6186, 4.4888**.

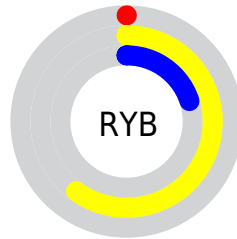
Distribution



Red (40%)

Green (60%)

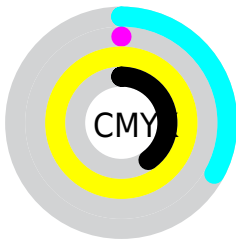
Blue (0%)



Red (0%)

Yellow (60%)

Blue (20%)

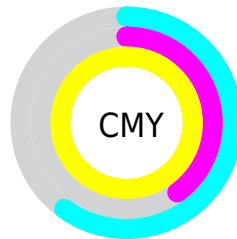


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (60%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7077, 25.2813, 3.9992 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 16.7077, 25.2813, 3.9992 by changing the saturation by 10% instead.

■ 16.7077, 25.2813,
3.9992

■ 16.7077, 25.2813,
3.9992

226.6715,
279.2360, 148.2165

■ 10.1203, 16.2868,
1.6249

■ 37.3701, 52.1132,
14.0079

■ 5.5417, 9.7273,
0.3085

■ 52.1759, 70.7194,
22.4794

■ 2.6064, 5.2185,
0.0000

■ 70.4518, 93.2982,
33.8204

■ 0.9492, 2.3760,
0.0000

■ 92.5633, 120.2340,
48.4494


■ 0.0000, 0.8135,
0.0000

■ 118.8756,
151.9114, 66.7850

■ 0.0000, 0.0000,
0.0000


■ 149.7542,


188.7145, 89.2457


 185.5644,
231.0279, 116.2500


 16.7077, 25.2813,
3.9992


 16.7077, 25.2813,
3.9992


 16.7077, 25.2821,
3.9994

 17.3800, 25.6186,
4.4888

 18.1507, 25.9983,
5.3177

 19.0507, 26.4339,
6.6432

 20.0925, 26.9304,
8.5278

 21.2868, 27.4920,
11.0247

■ 22.6428, 28.1226,
14.1810

■ 24.1694, 28.8257,
18.0393

■ 25.8743, 29.6046,
22.6383

■ 27.7649, 30.4622,
28.0142

Harmonies

Analogous

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



23.7463, 25.2813, 2.4526



16.7077, 25.2813, 3.9992



12.5978, 25.2813, 10.7900

Triad

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



16.7077, 25.2813, 3.9992



17.0967, 25.2813, 89.9892



43.7776, 25.2813, 26.7218

Complementary

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



16.7077, 25.2813, 3.9992



6.9842, 2.9460, 29.9079

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.



40.8675, 25.2813, 56.1401



16.7077, 25.2813, 3.9992



24.3142, 25.2813, 103.1753

Square

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



16.7077, 25.2813, 3.9992



12.7833, 25.2813, 58.4359



33.2270, 25.2813, 88.2099



40.4643, 25.2813, 10.0531

Rectangle

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



16.7077, 25.2813, 3.9992



11.4617, 25.2813, 20.9913



33.2270, 25.2813, 88.2099



43.4902, 25.2813, 35.2955

Sweetspot

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



16.7083, 25.2824, 3.9997



42.4910, 50.8005, 31.4006



14.0125, 8.8014, 0.9607



9.4135, 11.4341, 6.5090



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.



16.7083, 25.2824, 3.9997



29.2958, 44.5234, 7.0498



11.7045, 22.7029, 3.7656



6.5113, 7.1210, 6.6372



14.0418, 21.2147, 3.3548



0.2478, 0.3367, 0.0519

Inverse Universe

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



6.9842, 2.9460, 29.9079



12.1572, 5.1117, 52.7796



14.0002, 6.5628, 30.2362



6.0664, 6.1201, 7.7905



5.8852, 2.4850, 25.0772



0.1236, 0.0555, 0.3766

Previews

White Background



This preview shows how the XYZ color 16.7077, 25.2813, 3.9992 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 16.7077, 25.2813, 3.9992 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 16.7077, 25.2813, 3.9992

Background



This preview shows how black text looks on a background with the XYZ color 16.7077, 25.2813, 3.9992.



This preview shows how white text looks on a background with the XYZ color 16.7077, 25.2813,

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

16.7077, 25.2813, 3.9992

Protanopia

22.6060, 25.1455, 3.6621

Deuteranopia

25.4380, 24.9382, 4.6352



Tritanopia

22.6108, 25.1316, 33.7962

Trichromacy



Original Color

16.7077, 25.2813, 3.9992

Protanomaly

19.9758, 24.8792, 3.7493

Deuteranomaly

21.2303, 24.4237, 4.1676

Tritanomaly

18.9652, 24.5586, 15.0500

Monochromacy



Original Color

16.7077, 25.2813, 3.9992

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.3658, 20.5350, 9.9386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7077, 25.2813, 3.9992 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(102, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 152, 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(102, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 152, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.7077, 25.2813, 3.9992 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(102, 152, 0) }
```


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

```
.border{ border-color:rgb(102, 152, 0) }
```

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

Here you see how a box with a 4 pixel rgb(102, 152, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 152,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7077, 25.2813, 3.9992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 152, 0) }
```

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

```
.background{ background-color: rgb(102,  
152, 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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