

Converting Colors

XYZ(12.1737, 15.8522, 0.5301)

Have a look what the booklet for
XYZ(12.1737, 15.8522, 0.5301)
contains.

XYZ(12.5418, 16.0827, 2.4432)	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(12.5418, 16.0827,
2.4432)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7600
RGB	107, 118, 0
RGB Percent	42%, 46%, 0%
CMY	0.5804, 0.5372, 1.0000
CMYK	0.09, 0.00, 1.00, 0.54
HSL	66°, 100%, 23%
HSV	66°, 100%, 46%
XYZ	12.5418, 16.0827, 2.4432
YIQ	101.2590, 31.3220, -39.0300

Conversions

Conversions Part 2

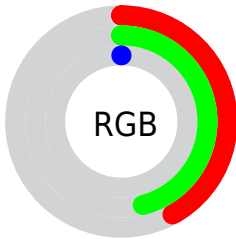
Format	Color
RYB	0, 118, 11
Decimal	7042560
CIELab	47.08, -17.36, 52.35
CIELCh	47, 55.155, 108.342
Yxy	16.0827, 0.4037, 0.5177
Android (android.graphics.Color)	4285232640 (0xFF6B7600)
YUV	101.2590, -49.9207, 5.0349
Hunter-Lab	40.1032, -14.3570, 24.4602

Details

The XYZ color **12.5418, 16.0827, 2.4432** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4084, 1.3794, 17.2272**, and the grayscale version is **12.5567, 13.2107, 14.3864**.

A 20% lighter version of the original color is **30.1722, 36.7897, 10.2135**, and **3.7657, 5.1925, 0.8038** is the 20% darker color. If you saturate the color by 10%, you get **12.5421, 16.0834, 2.4434**, and if you desaturate by 10%, it is **12.7405, 16.1781, 2.7928**.

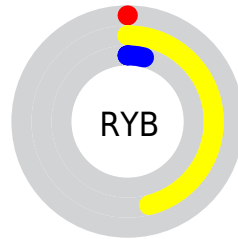
Distribution



Red (42%)

Green (46%)

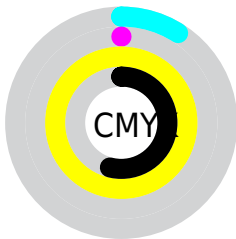
Blue (0%)



Red (0%)

Yellow (46%)

Blue (4%)

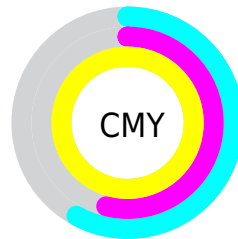


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (58%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5418, 16.0827, 2.4432 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 12.5418, 16.0827, 2.4432 by changing the saturation by 10% instead.

■ 12.5418, 16.0827,
2.4432

■ 12.5418, 16.0827,
2.4432

201.6574,
229.8292, 128.9182

■ 7.1886, 9.5827,
0.8098

■ 30.0865, 36.7417,
10.2205

■ 3.6277, 5.1232,
0.0000

■ 43.0087, 51.6695,
17.2095

■ 1.4938, 2.3197,
0.0000

■ 59.1846, 70.1754,
26.8236

■ 0.3216, 0.7841,
0.0000

■ 78.9796, 92.6437,
39.4813


■ 0.0000, 0.0000,
0.0000


■ 102.7590,
119.4588, 55.6010


■ 130.8882,


151.0052, 75.6014


 163.7326,
187.6672, 99.9009


 12.5418, 16.0827,
2.4432


 12.5418, 16.0827,
2.4432


 12.5421, 16.0834,
2.4434

 12.7405, 16.1781,
2.7928

 12.9710, 16.2859,
3.3027

 13.2562, 16.4158,
4.0918

 13.6022, 16.5702,
5.1927

 14.0145, 16.7513,
6.6333

■ 14.4978, 16.9609,
8.4386

■ 15.0563, 17.2009,
10.6310

■ 15.6939, 17.4727,
13.2314

■ 16.4144, 17.7779,
16.2590

Harmonies

Analogous

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



17.2439, 16.0827, 2.2333



12.5418, 16.0827, 2.4432



9.3364, 16.0827, 5.1019

Triad

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



12.5418, 16.0827, 2.4432



9.8994, 16.0827, 45.9081



26.3259, 16.0827, 23.4651

Complementary

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



12.5418, 16.0827, 2.4432



3.4084, 1.3794, 17.2272

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.



23.3423, 16.0827, 41.8580



12.5418, 16.0827, 2.4432



13.4824, 16.0827, 58.7050

Square

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



12.5418, 16.0827, 2.4432



8.0476, 16.0827, 27.3035



18.4041, 16.0827, 56.9228



25.9247, 16.0827, 10.3947

Rectangle

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



12.5418, 16.0827, 2.4432



8.1682, 16.0827, 9.4045



18.4041, 16.0827, 56.9228



25.6637, 16.0827, 29.2984

Sweetspot

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



12.5422, 16.0834, 2.4435



26.3936, 30.2093, 18.3774



7.5785, 4.0654, 0.3854



5.9913, 6.9126, 3.9198



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.5422, 16.0834, 2.4435



21.9939, 28.2483, 4.2933



7.7538, 13.6149, 2.2194



3.9346, 4.2498, 3.9552



13.5624, 17.3960, 2.6430



65.7053, 84.5741, 12.8614

Inverse Universe

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



3.4084, 1.3794, 17.2272



5.9351, 2.3954, 30.2865



5.7130, 2.5675, 17.3351



3.5294, 3.6047, 4.6000



3.6813, 1.4891, 18.6360



17.6000, 7.0816, 90.7996

Previews

White Background



This preview shows how the XYZ color 12.5418, 16.0827, 2.4432 looks on a white 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

Black Background



This preview shows how the XYZ color 12.5418, 16.0827, 2.4432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

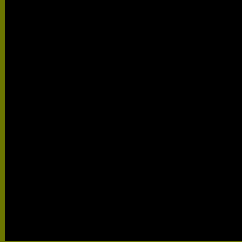
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5418, 16.0827, 2.4432

Background



This preview shows how black text looks on a background with the XYZ color 12.5418, 16.0827, 2.4432.



This preview shows how white text looks on a background with the XYZ color 12.5418, 16.0827,

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

12.5418, 16.0827, 2.4432

Protanopia

14.3984, 16.0240, 2.3341

Deuteranopia

16.2648, 16.0213, 2.8970



Tritanopia

16.0484, 16.1729, 19.4154

Trichromacy



Original Color

12.5418, 16.0827, 2.4432

Protanomaly

13.6251, 15.9566, 2.3618

Deuteranomaly

14.7018, 15.8480, 2.6649

Tritanomaly

13.9852, 15.8290, 8.9748

Monochromacy



Original Color

12.5418, 16.0827, 2.4432

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.7766, 13.7691, 6.8875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5418, 16.0827, 2.4432 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(107, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(107, 118, 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(107, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 118, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.5418, 16.0827, 2.4432 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(107, 118, 0) }
```


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

```
.border{ border-color:rgb(107, 118, 0) }
```

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

Here you see how a box with a 4 pixel rgb(107, 118, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(107, 118,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5418, 16.0827, 2.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 118, 0) }
```

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

```
.background{ background-color: rgb(107,  
118, 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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