

Converting Colors

XYZ(13.3577, 16.7124, 4.9223)

Have a look what the booklet for
XYZ(13.3577, 16.7124, 4.9223)
contains.

XYZ(13.2358, 16.5636, 4.8824)	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(13.2358, 16.5636,
4.8824)**

Conversions

Conversions Part 1

Format	Color
Hex	6C772C
RGB	108, 119, 44
RGB Percent	42%, 47%, 17%
CMY	0.5765, 0.5333, 0.8274
CMYK	0.09, 0.00, 0.63, 0.53
HSL	69°, 46%, 32%
HSV	69°, 63%, 47%
XYZ	13.2358, 16.5636, 4.8824
YIQ	107.1610, 17.5190, -25.6570

Conversions

Conversions Part 2

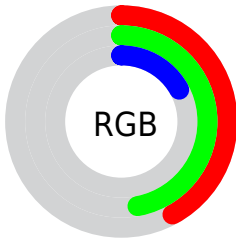
Format	Color
RYB	44, 119, 55
Decimal	7108396
CIELab	47.71, -15.43, 38.78
CIELCh	48, 41.739, 111.694
Yxy	16.5636, 0.3816, 0.4776
Android (android.graphics.Color)	4285298476 (0xFF6C772C)
YUV	107.1610, -31.1384, 0.7358
Hunter-Lab	40.6984, -13.1710, 21.3761

Details

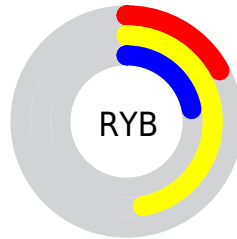
The XYZ color **13.2358, 16.5636, 4.8824** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.8066, 3.9459, 17.9093**, and the grayscale version is **14.1005, 14.8349, 16.1552**.

A 20% lighter version of the original color is **31.2366, 37.4932, 15.9465**, and **3.9982, 5.4060, 0.8327** is the 20% darker color. If you saturate the color by 10%, you get **12.8334, 16.3789, 3.8589**, and if you desaturate by 10%, it is **13.7074, 16.7776, 6.2449**.

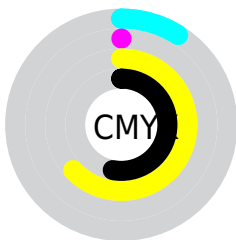
Distribution



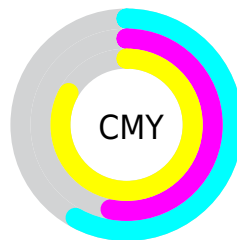
- Red (42%)
- Green (47%)
- Blue (17%)



- Red (17%)
- Yellow (47%)
- Blue (22%)



- Cyan (9%)
- Magenta (0%)
- Yellow (63%)
- Black (53%)





- Cyan (58%)
- Magenta (53%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2358, 16.5636, 4.8824 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 13.2358, 16.5636, 4.8824 by changing the saturation by 10% instead.


 13.2358, 16.5636,
4.8824


 13.2358, 16.5636,
4.8824


206.0306,
232.6448, 157.5793


 7.6692, 9.9238,
2.1209


 31.3245, 37.5739,
15.9985


 3.9341, 5.3485,
0.6282

 44.5773, 52.7133,
25.1902

 1.6649, 2.4532,
0.0000

 61.1230, 71.4546,
37.3624

 0.4341, 0.8530,
0.0000

 81.3267, 94.1823,
52.9336

 0.0000, 0.0000,
0.0000

 105.5540,
121.2808, 72.3223

 134.1702,

153.1344, 95.9472

167.5406,
190.1276, 124.2267

■ 13.2358, 16.5636,
4.8824

■ 13.2358, 16.5636,
4.8824

■ 12.8334, 16.3789,
3.8589

■ 13.7074, 16.7776,
6.2449

■ 12.4934, 16.2191,
3.1434

■ 14.2521, 17.0208,
7.9716

■ 12.2090, 16.0821,
2.6991

■ 14.8749, 17.2956,
10.0865

■ 12.0252, 15.9926,
2.4531

■ 15.5797, 17.6038,
12.6114

■ 16.3705, 17.9469,
15.5663

■ 17.2509, 18.3264,
18.9700

■ 18.2242, 18.7435,
22.8402

■ 19.2937, 19.1995,
27.1937

■ 20.4623, 19.6958,
32.0462

Harmonies

Analogous

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



16.8033, 16.5636, 4.3814



13.2358, 16.5636, 4.8824



10.7549, 16.5636, 8.0566

Triad

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



13.2358, 16.5636, 4.8824



11.6992, 16.5636, 39.4582



23.9691, 16.5636, 21.1713

Complementary

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



13.2358, 16.5636, 4.8824



5.8066, 3.9459, 17.9093

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.



22.0754, 16.5636, 34.0175



13.2358, 16.5636, 4.8824



14.7287, 16.5636, 46.9887

Square

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



13.2358, 16.5636, 4.8824



9.9704, 16.5636, 26.7526



18.5488, 16.5636, 44.6788



23.4004, 16.5636, 11.4525

Rectangle

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



13.2358, 16.5636, 4.8824



9.8637, 16.5636, 12.3171



18.5488, 16.5636, 44.6788



23.5899, 16.5636, 25.2944

Sweetspot

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



13.2362, 16.5644, 4.8827



28.3810, 31.7323, 24.3662



9.3821, 6.7426, 3.1901



6.6493, 7.4869, 5.4910



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.2362, 16.5644, 4.8827



22.6678, 29.1828, 6.2158



9.6874, 14.7349, 4.7167



3.9164, 4.2404, 3.9543



12.7693, 16.9872, 2.6058



61.6645, 82.4910, 12.6723

Inverse Universe

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



5.8066, 3.9459, 17.9093



8.1925, 4.5320, 31.6961



8.5948, 5.3833, 18.0398



3.5460, 3.6133, 4.6008



3.7863, 1.5433, 18.6409



17.9905, 7.2829, 90.8178

Previews

White Background



This preview shows how the XYZ color 13.2358, 16.5636, 4.8824 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 13.2358, 16.5636, 4.8824 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 13.2358, 16.5636, 4.8824

Background



This preview shows how black text looks on a background with the XYZ color 13.2358, 16.5636, 4.8824.



This preview shows how white text looks on a background with the XYZ color 13.2358, 16.5636,

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

13.2358, 16.5636, 4.8824

Protanopia

14.9272, 16.4130, 4.5718

Deuteranopia

16.7113, 16.5140, 5.1030



Tritanopia

16.2771, 16.4379, 20.0842

Trichromacy



Original Color

13.2358, 16.5636, 4.8824

Protanomaly

14.1745, 16.3578, 4.6958

Deuteranomaly

15.2093, 16.3828, 5.0499

Tritanomaly

14.7591, 16.3180, 12.4970

Monochromacy



Original Color

13.2358, 16.5636, 4.8824

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.3481, 15.1348, 10.6053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2358, 16.5636, 4.8824 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(108, 119, 44)` looks like.

```
.text, #text, p{  
    color:rgb(108, 119, 44)  
}
```

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(108, 119, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 119, 44) }
```

Border

The CSS property to change the border of an element to XYZ 13.2358, 16.5636, 4.8824 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(108, 119, 44) }
```


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

```
.border{ border-color:rgb(108, 119, 44) }
```

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

Here you see how a box with a 4 pixel rgb(108, 119, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 119, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 119, 44);  
box-shadow:4px 4px 4px 4px rgb(108, 119,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2358, 16.5636, 4.8824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 119, 44) }
```

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

```
.background{ background-color: rgb(108,  
119, 44) }
```

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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