

Converting Colors

XYZ(12.8686, 16.2711, 7.5144)

Have a look what the booklet for
XYZ(12.8686, 16.2711, 7.5144)
contains.

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Color

**XYZ(12.9178, 16.3420,
7.4745)**

Conversions

Conversions Part 1

Format	Color
Hex	657741
RGB	101, 119, 65
RGB Percent	40%, 47%, 25%
CMY	0.6039, 0.5333, 0.7451
CMYK	0.15, 0.00, 0.45, 0.53
HSL	80°, 29%, 36%
HSV	80°, 45%, 47%
XYZ	12.9178, 16.3420, 7.4745
YIQ	107.4620, 6.6060, -20.6100

Conversions

Conversions Part 2

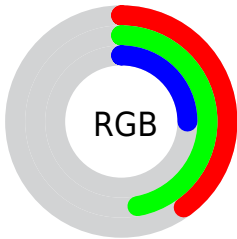
Format	Color
RYB	65, 119, 83
Decimal	6649665
CIELab	47.42, -16.29, 27.45
CIELCh	47, 31.923, 120.685
Yxy	16.3420, 0.3517, 0.4449
Android (android.graphics.Color)	4284839745 (0xFF657741)
YUV	107.4620, -20.9338, -5.6672
Hunter-Lab	40.4252, -13.7049, 17.3351

Details

The XYZ color **12.9178, 16.3420, 7.4745** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.7880, 6.9519, 18.3323**, and the grayscale version is **14.1591, 14.8965, 16.2222**.

A 20% lighter version of the original color is **30.7370, 37.1130, 21.4631**, and **3.8390, 5.3104, 1.4388** is the 20% darker color. If you saturate the color by 10%, you get **12.1754, 15.9955, 5.8261**, and if you desaturate by 10%, it is **13.7551, 16.7301, 9.5073**.

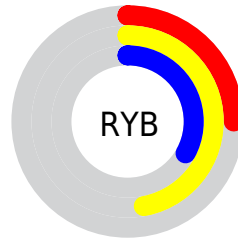
Distribution



Red (40%)

Green (47%)

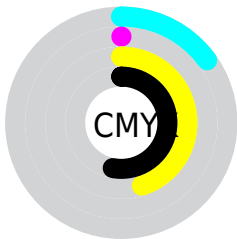
Blue (25%)



Red (25%)

Yellow (47%)

Blue (33%)

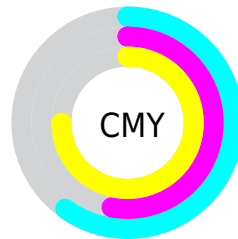


Cyan (15%)

Magenta (0%)

Yellow (45%)

Black (53%)



Cyan (60%)

Magenta (53%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9178, 16.3420, 7.4745 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 12.9178, 16.3420, 7.4745 by changing the saturation by 10% instead.

■ 12.9178, 16.3420,
7.4745

■ 12.9178, 16.3420,
7.4745

204.0384,
231.3514, 181.3280

■ 7.4486, 9.7665,
3.6777

■ 30.7586, 37.1909,
21.4505

■ 3.7930, 5.2444,
1.4502

■ 43.8609, 52.2331,
32.4668

■ 1.5857, 2.3914,
0.1804

■ 60.2382, 70.8663,
46.7266

■ 0.3831, 0.8214,
0.0000

■ 80.2560, 93.4749,
64.6485

■ 0.0000, 0.0000,
0.0000

■ 104.2796,
120.4434, 86.6511

■ 132.6743,

152.1560, 113.1528

165.8054,
188.9972, 144.5723

■ 12.9178, 16.3420,
7.4745

■ 12.9178, 16.3420,
7.4745

■ 12.1754, 15.9955,
5.8261

■ 13.7551, 16.7301,
9.5073

■ 11.5218, 15.6864,
4.5368

■ 14.6907, 17.1594,
11.9455

■ 10.9520, 15.4133,
3.5798

■ 15.7290, 17.6323,
14.8100

■ 10.4598, 15.1735,
2.9244

■ 16.8740, 18.1505,
18.1198

■ 10.0347, 14.9630,
2.5172

■ 18.1294, 18.7155,
21.8929

■ 9.8492, 14.8708,
2.3512

■ 19.4986, 19.3286,
26.1462

■ 20.9850, 19.9913,
30.8958

■ 22.5918, 20.7048,
36.1570

■ 24.3219, 21.4704,
41.9444

Harmonies

Analogous

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



15.4676, 16.3420, 6.3168



12.9178, 16.3420, 7.4745



11.2545, 16.3420, 11.2020

Triad

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



12.9178, 16.3420, 7.4745



13.0177, 16.3420, 35.1353



21.6340, 16.3420, 17.6080

Complementary

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



12.9178, 16.3420, 7.4745



8.7880, 6.9519, 18.3323

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.



20.7770, 16.3420, 26.5668



12.9178, 16.3420, 7.4745



15.5977, 16.3420, 38.3692

Square

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



12.9178, 16.3420, 7.4745



11.3070, 16.3420, 26.9905



18.4784, 16.3420, 34.8429



20.6981, 16.3420, 10.9666

Rectangle

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



12.9178, 16.3420, 7.4745



10.7577, 16.3420, 15.3884



18.4784, 16.3420, 34.8429



21.5451, 16.3420, 20.4373

Sweetspot

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



12.9182, 16.3427, 7.4748



28.3656, 31.6641, 27.0881



11.6557, 10.4906, 6.4118



6.6397, 7.4665, 6.1856



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.



12.9182, 16.3427, 7.4748



21.8024, 28.6424, 10.4341



10.3755, 15.0319, 7.3559



3.8537, 4.2080, 3.9514



10.4533, 15.7932, 2.4975



50.0044, 76.4800, 12.1266

Inverse Universe

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



8.7880, 6.9519, 18.3323



13.4578, 9.6463, 32.4057



11.6511, 8.4279, 18.4663



3.6050, 3.6437, 4.6035



4.4444, 1.8825, 18.6717



20.8343, 8.7490, 90.9509

Previews

White Background



This preview shows how the XYZ color 12.9178, 16.3420, 7.4745 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 12.9178, 16.3420, 7.4745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

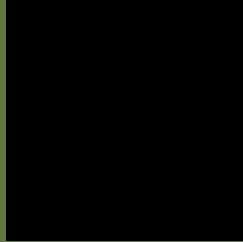
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9178, 16.3420, 7.4745

Background



This preview shows how black text looks on a background with the XYZ color 12.9178, 16.3420, 7.4745.



This preview shows how white text looks on a background with the XYZ color 12.9178, 16.3420,

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

12.9178, 16.3420, 7.4745

Protanopia

14.8598, 16.1582, 7.0383

Deuteranopia

16.4544, 16.1670, 7.7221



Tritanopia

15.5407, 16.3789, 20.4315

Trichromacy



Original Color

12.9178, 16.3420, 7.4745

Protanomaly

14.1264, 16.2765, 7.2476

Deuteranomaly

14.8659, 15.9851, 7.6121

Tritanomaly

14.3054, 16.2043, 14.6857

Monochromacy



Original Color

12.9178, 16.3420, 7.4745

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.4419, 15.1448, 12.3400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9178, 16.3420, 7.4745 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(101, 119, 65)` looks like.

```
.text, #text, p{  
    color:rgb(101, 119, 65)  
}
```

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(101, 119, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 119, 65) }
```

Border

The CSS property to change the border of an element to XYZ 12.9178, 16.3420, 7.4745 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(101, 119, 65) }
```


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

```
.border{ border-color:rgb(101, 119, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 119, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 119, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 119, 65);  
box-shadow:4px 4px 4px 4px rgb(101, 119,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9178, 16.3420, 7.4745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 119, 65) }
```

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

```
.background{ background-color: rgb(101,  
119, 65) }
```

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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