

Converting Colors

XYZ(18.6673, 25.6410, 7.5048)

Have a look what the booklet for
XYZ(18.6673, 25.6410, 7.5048)
contains.

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Color

**XYZ(18.7747, 25.7920,
7.4789)**

Conversions

Conversions Part 1

Format	Color
Hex	749636
RGB	116, 150, 54
RGB Percent	45%, 59%, 21%
CMY	0.5451, 0.4118, 0.7882
CMYK	0.23, 0.00, 0.64, 0.41
HSL	81°, 47%, 40%
HSV	81°, 64%, 59%
XYZ	18.7747, 25.7920, 7.4789
YIQ	128.8900, 10.5520, -37.0640

Conversions

Conversions Part 2

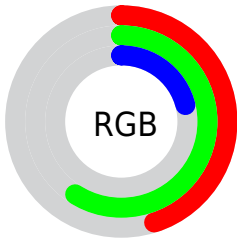
Format	Color
RYB	54, 150, 88
Decimal	7640630
CIELab	57.84, -27.08, 45.40
CIELCh	58, 52.863, 120.813
Yxy	25.7920, 0.3607, 0.4956
Android (android.graphics.Color)	4285830710 (0xFF749636)
YUV	128.8900, -36.9208, -11.3045
Hunter-Lab	50.7858, -22.8866, 26.8188

Details

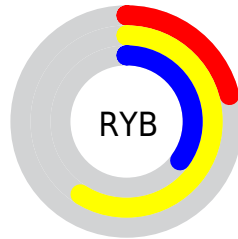
The XYZ color **18.7747, 25.7920, 7.4789** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.8497, 6.9158, 29.6186**, and the grayscale version is **20.9509, 22.0420, 24.0038**.

A 20% lighter version of the original color is **40.7202, 52.7517, 21.4005**, and **6.5762, 10.0137, 1.5862** is the 20% darker color. If you saturate the color by 10%, you get **17.7894, 25.3195, 5.8693**, and if you desaturate by 10%, it is **19.9103, 26.3311, 9.6638**.

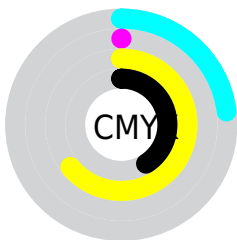
Distribution



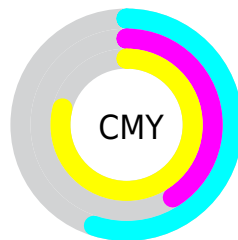
- Red (45%)
- Green (59%)
- Blue (21%)



- Red (21%)
- Yellow (59%)
- Blue (35%)



- Cyan (23%)
- Magenta (0%)
- Yellow (64%)
- Black (41%)



- Cyan (55%)
- Magenta (41%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7747, 25.7920, 7.4789 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 18.7747, 25.7920, 7.4789 by changing the saturation by 10% instead.


 18.7747, 25.7920,
7.4789

 18.7747, 25.7920,
7.4789


238.1642,
281.7595, 181.3649


 11.6106, 16.6681,
3.6804


 40.8729, 52.9392,
21.4594


 6.5494, 9.9981,
1.4517


 56.5377, 71.7313,
32.4785

 3.2258, 5.3977,
0.1816


 75.7668, 94.5149,
46.7415

 1.2742, 2.4825,
0.0000

 98.9256, 121.6744,
64.6671

 0.1638, 0.8678,
0.0000

 126.3793,
153.5942, 86.6736

 0.0000, 0.0000,
0.0000

 158.4934,

190.6588, 113.1798

195.6333,
233.2524, 144.6040

■ 18.7747, 25.7920,
7.4789

■ 18.7747, 25.7920,
7.4789

■ 17.7894, 25.3195,
5.8693

■ 19.9103, 26.3311,
9.6638

■ 16.9415, 24.9057,
4.7787

■ 21.2041, 26.9373,
12.4702

■ 16.2185, 24.5463,
4.1416

■ 22.6655, 27.6153,
15.9412

■ 15.8231, 24.3481,
3.8657

■ 24.3024, 28.3685,
20.1158

■ 26.1223, 29.1998,
25.0300

■ 28.1322, 30.1121,
30.7172

■ 30.3385, 31.1081,
37.2089

■ 32.7475, 32.1904,
44.5348

■ 35.3652, 33.3613,
52.7231

Harmonies

Analogous

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



24.3416, 25.7920, 5.6166



18.7747, 25.7920, 7.4789



15.3219, 25.7920, 14.2444

Triad

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



18.7747, 25.7920, 7.4789



19.0271, 25.7920, 71.0346



38.8693, 25.7920, 27.5897

Complementary

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



18.7747, 25.7920, 7.4789



10.8497, 6.9158, 29.6186

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.



36.7999, 25.7920, 48.8311



18.7747, 25.7920, 7.4789



24.6882, 25.7920, 79.5967

Square

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



18.7747, 25.7920, 7.4789



15.4489, 25.7920, 50.0847



31.3190, 25.7920, 70.1172



36.5732, 25.7920, 13.7046

Rectangle

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



18.7747, 25.7920, 7.4789



14.3251, 25.7920, 22.8598



31.3190, 25.7920, 70.1172



38.6583, 25.7920, 34.0470

Sweetspot

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



18.7753, 25.7931, 7.4795



44.3305, 50.7227, 39.3424



16.7015, 13.6652, 5.2478



9.6426, 11.1578, 8.2328



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.7753, 25.7931, 7.4795



30.6879, 44.3387, 9.3806



13.9849, 23.3236, 7.2553



6.0681, 6.6429, 6.2029



13.1583, 20.2112, 3.2076



0.1932, 0.2639, 0.0408

Inverse Universe

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



10.8497, 6.9158, 29.6186



15.6130, 8.2955, 51.6995



16.9136, 10.0418, 29.9024



5.6818, 5.7269, 7.2757



5.8215, 2.4736, 24.1017



0.1011, 0.0457, 0.2964

Previews

White Background



This preview shows how the XYZ color 18.7747, 25.7920, 7.4789 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 18.7747, 25.7920, 7.4789 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 18.7747, 25.7920, 7.4789

Background



This preview shows how black text looks on a background with the XYZ color 18.7747, 25.7920, 7.4789.



This preview shows how white text looks on a background with the XYZ color 18.7747, 25.7920,

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

18.7747, 25.7920, 7.4789

Protanopia

23.3477, 25.6728, 6.8568

Deuteranopia

26.0801, 25.5994, 7.8416



Tritanopia

23.9477, 25.6124, 33.3873

Trichromacy



Original Color

18.7747, 25.7920, 7.4789

Protanomaly

21.4268, 25.5556, 7.0522

Deuteranomaly

22.9452, 25.4461, 7.7052

Tritanomaly

21.4378, 25.4926, 20.3137

Monochromacy



Original Color

18.7747, 25.7920, 7.4789

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.6561, 23.1357, 16.0000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7747, 25.7920, 7.4789 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(116, 150, 54)` looks like.

```
.text, #text, p{  
    color:rgb(116, 150, 54)  
}
```

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(116, 150, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 150, 54) }
```

Border

The CSS property to change the border of an element to XYZ 18.7747, 25.7920, 7.4789 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(116, 150, 54) }
```


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

```
.border{ border-color:rgb(116, 150, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 150, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 150, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 150, 54);  
box-shadow:4px 4px 4px 4px rgb(116, 150,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7747, 25.7920, 7.4789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 150, 54) }
```

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

```
.background{ background-color: rgb(116,  
150, 54) }
```

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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