

Converting Colors

XYZ(7.6882, 13.9240, 5.2012)

Have a look what the booklet for
XYZ(7.6882, 13.9240, 5.2012)
contains.

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Color

**XYZ(7.6475, 13.8489,
5.1758)**

Conversions

Conversions Part 1

Format	Color
Hex	187831
RGB	24, 120, 49
RGB Percent	9%, 47%, 19%
CMY	0.9059, 0.5294, 0.8078
CMYK	0.80, 0.00, 0.59, 0.53
HSL	136°, 67%, 28%
HSV	136°, 80%, 47%
XYZ	7.6475, 13.8489, 5.1758
YIQ	83.2020, -34.4250, -42.4330

Conversions

Conversions Part 2

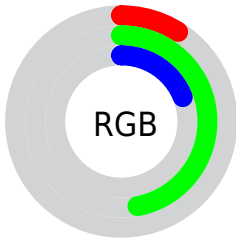
Format	Color
R_{YB}	24, 100, 120
Decimal	1603633
CIE _{Lab}	44.02, -42.83, 31.03
CIE _{LCh}	44, 52.888, 144.082
Yxy	13.8489, 0.2867, 0.5192
Android (android.graphics.Color)	4279793713 (0xFF187831)
YUV	83.2020, -16.8616, -51.9202
Hunter-Lab	37.2141, -28.4429, 17.8037

Details

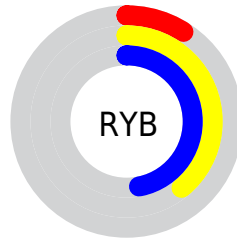
The XYZ color **7.6475, 13.8489, 5.1758** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **10.1382, 5.4726, 11.3481**, and the grayscale version is **8.3016, 8.7340, 9.5113**.

A 20% lighter version of the original color is **20.8476, 32.6815, 16.5186**, and **2.1956, 4.3825, 0.7589** is the 20% darker color. If you saturate the color by 10%, you get **7.2535, 13.6657, 4.2743**, and if you desaturate by 10%, it is **8.2049, 14.1128, 6.2782**.

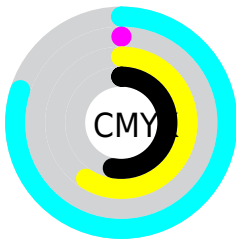
Distribution



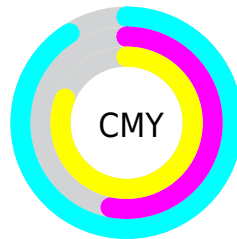
- Red (9%)
- Green (47%)
- Blue (19%)



- Red (9%)
- Yellow (39%)
- Blue (47%)



- Cyan (80%)
- Magenta (0%)
- Yellow (59%)
- Black (53%)



- Cyan (91%)
- Magenta (53%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.6475, 13.8489, 5.1758 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 7.6475, 13.8489, 5.1758 by changing the saturation by 10% instead.

■ 7.6475, 13.8489,
5.1758

■ 7.6475, 13.8489,
5.1758

167.3706,
216.2888, 160.5139

■ 3.9201, 8.0156,
2.2902

■ 20.9565, 32.8207,
16.6417

■ 1.6570, 4.1050,
0.7257

■ 31.2689, 46.7280,
26.0591

■ 0.4292, 1.7324,
0.0000

■ 44.5070, 64.0955,
38.4908

■ 0.0000, 0.4445,
0.0000

■ 61.0362, 85.3075,
54.3555

■ 0.0000, 0.0000,
0.0000

■ 81.2218, 110.7484,
74.0716

■ 105.4291,

140.8027, 98.0577

134.0236,
175.8547, 126.7323

■ 7.6475, 13.8489,
5.1758

■ 7.6475, 13.8489,
5.1758

■ 7.2535, 13.6657,
4.2743

■ 8.2049, 14.1128,
6.2782

■ 6.9675, 13.5338,
3.5590

■ 8.9413, 14.4642,
7.5919

■ 9.8717, 14.9108,
9.1274

■ 11.0091, 15.4592,
10.8945

■ 12.3654, 16.1153,
12.9024

■ 13.9514, 16.8846,
15.1595

■ 15.7773, 17.7721,
17.6741

■ 17.8527, 18.7827,
20.4540

■ 20.1867, 19.9208,
23.5067

Harmonies

Analogous

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



10.1359, 13.8489, 2.2880



7.6475, 13.8489, 5.1758



6.6550, 13.8489, 12.8186

Triad

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



7.6475, 13.8489, 5.1758



12.3480, 13.8489, 51.7509



21.9950, 13.8489, 7.4754

Complementary

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



7.6475, 13.8489, 5.1758



10.1382, 5.4726, 11.3481

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.



22.9370, 13.8489, 17.5909



7.6475, 13.8489, 5.1758



16.7397, 13.8489, 47.5704

Square

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



7.6475, 13.8489, 5.1758



8.9722, 13.8489, 42.6246



20.8435, 13.8489, 33.1161



18.4897, 13.8489, 3.0354

Rectangle

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



7.6475, 13.8489, 5.1758



6.7824, 13.8489, 21.4334



20.8435, 13.8489, 33.1161



22.6492, 13.8489, 10.1240

Sweetspot

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



7.6478, 13.8495, 5.1761



23.2063, 29.0500, 24.7858



11.7056, 15.9863, 3.3328



5.3096, 6.7924, 5.6025



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.



7.6478, 13.8495, 5.1761



12.3668, 23.8567, 6.4472



9.2048, 14.4723, 13.3749



3.9898, 4.4655, 4.4800



7.5954, 14.7618, 3.8545



35.9279, 70.2942, 16.7902

Inverse Universe

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



10.1382, 5.4726, 11.3481



16.8817, 8.4345, 17.4626



8.6062, 4.8598, 3.2807



4.1120, 4.0605, 4.7876



10.3998, 5.1361, 10.6620



49.2456, 24.3546, 48.9509

Previews

White Background



This preview shows how the XYZ color 7.6475, 13.8489, 5.1758 looks on a white background.

Color Contrast Check

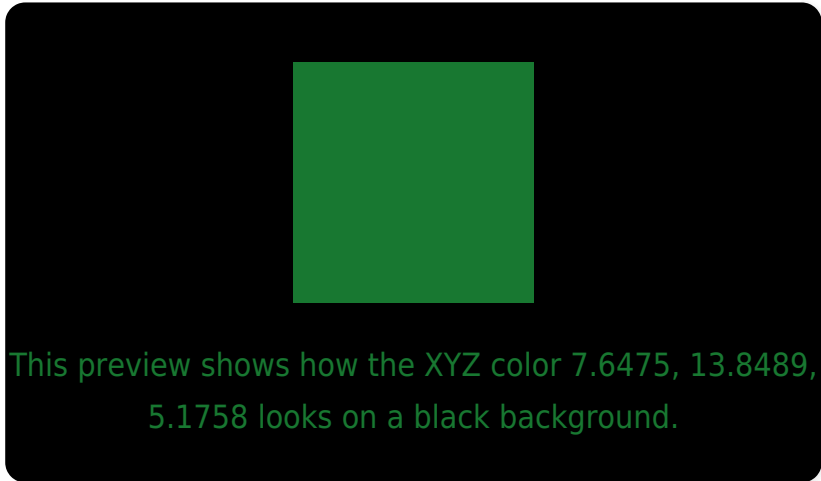
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 7.6475, 13.8489, 5.1758

Background



This preview shows how black text looks on a background with the XYZ color 7.6475, 13.8489, 5.1758.



This preview shows how white text looks on a background with the XYZ color 7.6475, 13.8489,

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

7.6475, 13.8489, 5.1758

Protanopia

12.4752, 13.7273, 4.3750

Deuteranopia

13.9038, 13.7115, 5.5282



Tritanopia

10.8342, 13.9455, 20.5331

Trichromacy



Original Color

7.6475, 13.8489, 5.1758



Protanomaly

9.5487, 13.1430, 4.6183



Deuteranomaly

10.1167, 12.9461, 5.3338



Tritanomaly

9.2658, 13.8092, 13.0036

Monochromacy



Original Color

7.6475, 13.8489, 5.1758



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

7.3068, 9.8448, 7.4764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.6475, 13.8489, 5.1758 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(24, 120, 49)` looks like.

```
.text, #text, p{  
    color:rgb(24, 120, 49)  
}
```

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(24, 120, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 120, 49) }
```

Border

The CSS property to change the border of an element to XYZ 7.6475, 13.8489, 5.1758 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(24, 120, 49) }
```


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

```
.border{ border-color:rgb(24, 120, 49) }
```

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

Here you see how a box with a 4 pixel rgb(24, 120, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 120, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 120, 49);  
box-shadow:4px 4px 4px 4px rgb(24, 120,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 7.6475, 13.8489, 5.1758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 120, 49) }
```

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

```
.background{ background-color: rgb(24, 120,  
49) }
```

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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