

Converting Colors

XYZ(12.3040, 16.0017, 6.3895)

Have a look what the booklet for
XYZ(12.3040, 16.0017, 6.3895)
contains.

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Color

**XYZ(12.3975, 16.0958,
6.4564)**

Conversions

Conversions Part 1

Format	Color
Hex	62773A
RGB	98, 119, 58
RGB Percent	38%, 47%, 23%
CMY	0.6157, 0.5333, 0.7725
CMYK	0.18, 0.00, 0.51, 0.53
HSL	81°, 34%, 35%
HSV	81°, 51%, 47%
XYZ	12.3975, 16.0958, 6.4564
YIQ	105.7670, 7.0650, -23.4230

Conversions

Conversions Part 2

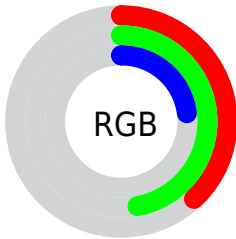
Format	Color
RYB	58, 119, 79
Decimal	6453050
CIELab	47.10, -18.41, 30.80
CIELCh	47, 35.885, 120.866
Yxy	16.0958, 0.3547, 0.4605
Android (android.graphics.Color)	4284643130 (0xFF62773A)
YUV	105.7670, -23.5491, -6.8117
Hunter-Lab	40.1196, -15.0503, 18.5422

Details

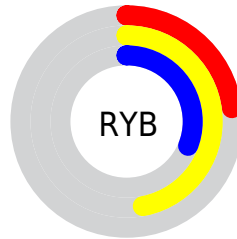
The XYZ color **12.3975, 16.0958, 6.4564** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.0680, 6.0208, 18.1906**, and the grayscale version is **13.6972, 14.4105, 15.6930**.

A 20% lighter version of the original color is **29.7944, 36.6714, 19.4179**, and **3.5803, 5.1836, 1.1284** is the 20% darker color. If you saturate the color by 10%, you get **11.6984, 15.7669, 5.0220**, and if you desaturate by 10%, it is **13.1901, 16.4658, 8.2612**.

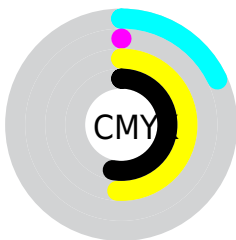
Distribution



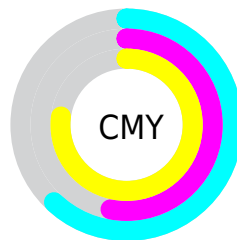
- Red (38%)
- Green (47%)
- Blue (23%)



- Red (23%)
- Yellow (47%)
- Blue (31%)



- Cyan (18%)
- Magenta (0%)
- Yellow (51%)
- Black (53%)



- Cyan (62%)
- Magenta (53%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3975, 16.0958, 6.4564 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 12.3975, 16.0958, 6.4564 by changing the saturation by 10% instead.

■ 12.3975, 16.0958,
6.4564

■ 12.3975, 16.0958,
6.4564

200.7360,
229.9064, 172.5230

■ 7.0891, 9.5920,
3.0513

■ 29.8276, 36.7644,
19.3649

■ 3.5647, 5.1293,
1.1209

■ 42.6801, 51.6980,
29.7053

■ 1.4590, 2.3233,
0.0000

■ 58.7780, 70.2103,
43.1946

■ 0.2977, 0.7860,
0.0000

■ 78.4867, 92.6858,
60.2513

■ 0.0000, 0.0000,
0.0000

■ 102.1714,
119.5087, 81.2940

■ 130.1977,

151.0635, 106.7411

162.9307,
187.7346, 137.0113

■ 12.3975, 16.0958,
6.4564

■ 12.3975, 16.0958,
6.4564

■ 11.6984, 15.7669,
5.0220

■ 13.1901, 16.4658,
8.2612

■ 11.0863, 15.4749,
3.9313

■ 14.0796, 16.8767,
10.4587

■ 10.5558, 15.2180,
3.1554

■ 15.0710, 17.3309,
13.0708

■ 10.1000, 14.9935,
2.6604

■ 16.1683, 17.8303,
16.1171

■ 9.7414, 14.8153,
2.3462

■ 17.3752, 18.3763,
19.6164

■ 18.6955, 18.9705,
23.5862

■ 20.1326, 19.6141,
28.0429

■ 21.6897, 20.3087,
33.0024

■ 23.3701, 21.0555,
38.4796

Harmonies

Analogous

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



15.2073, 16.0958, 5.2755



12.3975, 16.0958, 6.4564



10.5954, 16.0958, 10.3657

Triad

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



12.3975, 16.0958, 6.4564



12.5358, 16.0958, 37.4574



22.1872, 16.0958, 17.2649

Complementary

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



12.3975, 16.0958, 6.4564



8.0680, 6.0208, 18.1906

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.



21.2209, 16.0958, 27.3973



12.3975, 16.0958, 6.4564



15.3903, 16.0958, 41.2137

Square

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



12.3975, 16.0958, 6.4564



10.6672, 16.0958, 28.0132



18.6202, 16.0958, 37.0243



21.1073, 16.0958, 10.0491

Rectangle

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



12.3975, 16.0958, 6.4564



10.0649, 16.0958, 14.9142



18.6202, 16.0958, 37.0243



22.0899, 16.0958, 20.4253

Sweetspot

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



12.3979, 16.0965, 6.4567



28.1183, 31.5490, 26.5155



11.1202, 9.7243, 5.2941



6.5842, 7.4406, 6.0630



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.



12.3979, 16.0965, 6.4567



20.6802, 28.1058, 8.4875



9.7566, 14.7349, 6.3331



3.8501, 4.2062, 3.9512



10.3387, 15.7341, 2.4921



49.4346, 76.1862, 12.0999

Inverse Universe

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



8.0680, 6.0208, 18.1906



11.9775, 7.8158, 32.1304



11.1296, 7.5991, 18.3339



3.6085, 3.6455, 4.6037



4.4985, 1.9104, 18.6742



21.0815, 8.8764, 90.9625

Previews

White Background



This preview shows how the XYZ color 12.3975, 16.0958, 6.4564 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 12.3975, 16.0958, 6.4564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

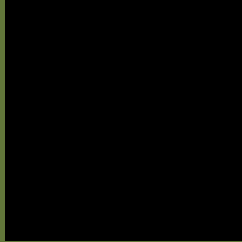
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3975, 16.0958, 6.4564

Background



This preview shows how black text looks on a background with the XYZ color 12.3975, 16.0958, 6.4564.



This preview shows how white text looks on a background with the XYZ color 12.3975, 16.0958,

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

12.3975, 16.0958, 6.4564

Protanopia

14.6764, 16.0848, 6.0725

Deuteranopia

16.1497, 15.8792, 6.6287



Tritanopia

15.1892, 16.0330, 20.3833

Trichromacy



Original Color

12.3975, 16.0958, 6.4564

Protanomaly

13.8087, 16.1343, 6.2573

Deuteranomaly

14.5261, 15.8327, 6.5654

Tritanomaly

13.9289, 16.0269, 13.9146

Monochromacy



Original Color

12.3975, 16.0958, 6.4564

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.0811, 14.9737, 11.6520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3975, 16.0958, 6.4564 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(98, 119, 58)` looks like.

```
.text, #text, p{  
    color:rgb(98, 119, 58)  
}
```

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(98, 119, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 119, 58) }
```

Border

The CSS property to change the border of an element to XYZ 12.3975, 16.0958, 6.4564 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(98, 119, 58) }
```


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

```
.border{ border-color:rgb(98, 119, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 119, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 119, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 119, 58);  
box-shadow:4px 4px 4px 4px rgb(98, 119,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3975, 16.0958, 6.4564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 119, 58) }
```

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

```
.background{ background-color: rgb(98, 119,  
58) }
```

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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