

Converting Colors

XYZ(12.7832, 18.8035, 14.0483)

Have a look what the booklet for
XYZ(12.7832, 18.8035, 14.0483)
contains.

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Color

**XYZ(12.7456, 18.7778,
14.0191)**

Conversions

Conversions Part 1

Format	Color
Hex	428560
RGB	66, 133, 96
RGB Percent	26%, 52%, 38%
CMY	0.7412, 0.4784, 0.6235
CMYK	0.50, 0.00, 0.28, 0.48
HSL	147°, 34%, 39%
HSV	147°, 50%, 52%
XYZ	12.7456, 18.7778, 14.0191
YIQ	108.7490, -28.0550, -25.7110

Conversions

Conversions Part 2

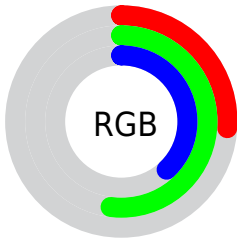
Format	Color
RYB	66, 112, 133
Decimal	4359520
CIELab	50.43, -30.40, 13.54
CIElCh	50, 33.274, 155.994
Yxy	18.7778, 0.2799, 0.4123
Android (android.graphics.Color)	4282549600 (0xFF428560)
YUV	108.7490, -6.2853, -37.4909
Hunter-Lab	43.3334, -23.3313, 11.1520

Details

The XYZ color **12.7456, 18.7778, 14.0191** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.0698, 9.8626, 13.9947**, and the grayscale version is **14.4880, 15.2425, 16.5991**.

A 20% lighter version of the original color is **30.5080, 41.4988, 34.0059**, and **3.7441, 6.4555, 4.0663** is the 20% darker color. If you saturate the color by 10%, you get **11.6292, 18.2400, 12.2835**, and if you desaturate by 10%, it is **14.1031, 19.4372, 15.9318**.

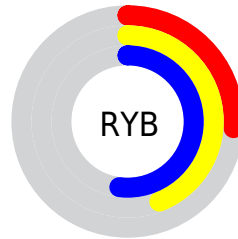
Distribution



Red (26%)

Green (52%)

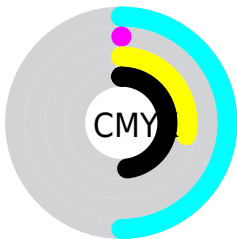
Blue (38%)



Red (26%)

Yellow (44%)

Blue (52%)

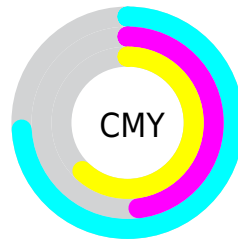


Cyan (50%)

Magenta (0%)

Yellow (28%)

Black (48%)



Cyan (74%)

Magenta (48%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7456, 18.7778, 14.0191 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 12.7456, 18.7778, 14.0191 by changing the saturation by 10% instead.

■ 12.7456, 18.7778,
14.0191

■ 12.7456, 18.7778,
14.0191

202.9515,
245.2193, 228.7822

■ 7.3294, 11.5098,
7.9950

■ 30.4512, 41.3583,
33.8405

■ 3.7171, 6.4109,
4.0041

■ 43.4713, 57.4396,
48.4750

■ 1.5434, 3.0965,
1.6276

■ 59.7567, 77.2275,
66.8167

■ 0.3551, 1.1823,
0.3104

■ 79.6729, 101.1064,
89.2841

■ 0.0000, 0.0472,
0.0000

■ 103.5851,
129.4606, 116.2958

■ 0.0000, 0.0000,
0.0000

131.8587,

162.6745, 148.2704

164.8590,
201.1327, 185.6263

■ 12.7456, 18.7778,
14.0191

■ 12.7456, 18.7778,
14.0191

■ 11.6292, 18.2400,
12.2835

■ 14.1031, 19.4372,
15.9318

■ 10.7367, 17.8137,
10.7185

■ 15.7141, 20.2231,
18.0252

■ 10.0513, 17.4906,
9.3189

■ 17.5923, 21.1428,
20.3046

■ 9.5527, 17.2605,
8.0790

■ 19.7495, 22.2024,
22.7746

■ 9.1917, 17.0972,
7.0289

■ 22.1971, 23.4078,
25.4395

■ 24.9458, 24.7642,
28.3037

■ 28.0056, 26.2769,
31.3712

■ 31.3861, 27.9506,
34.6461

■ 35.0966, 29.7901,
38.1322

Harmonies

Analogous

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



14.4349, 18.7778, 9.1513



12.7456, 18.7778, 14.0191



12.3470, 18.7778, 22.3639

Triad

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



12.7456, 18.7778, 14.0191



18.5055, 18.7778, 43.7832



23.3703, 18.7778, 11.6591

Complementary

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



12.7456, 18.7778, 14.0191



14.0698, 9.8626, 13.9947

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.



24.7789, 18.7778, 18.6407



12.7456, 18.7778, 14.0191



21.7602, 18.7778, 38.5188

Square

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



12.7456, 18.7778, 14.0191



15.4341, 18.7778, 41.4278



24.1568, 18.7778, 28.5864



20.5008, 18.7778, 8.1050

Rectangle

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



12.7456, 18.7778, 14.0191



12.8187, 18.7778, 29.2931



24.1568, 18.7778, 28.5864



24.0453, 18.7778, 13.5877

Sweetspot

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



12.7461, 18.7786, 14.0195



33.3842, 38.7844, 38.5439



15.0765, 20.1103, 8.2415



7.3675, 8.6623, 8.5068



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.7461, 18.7786, 14.0195



20.6494, 32.5789, 21.7061



14.5664, 19.5067, 23.6049



4.6965, 5.2368, 5.4131



8.7589, 16.2864, 6.7158



0.0339, 0.0579, 0.0422

Inverse Universe

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



14.0698, 9.8626, 13.9947



23.2912, 14.7581, 21.6366



12.7419, 9.3314, 7.0017



4.7722, 4.7285, 5.4125



10.3774, 5.2153, 6.5597



0.0396, 0.0195, 0.0421

Previews

White Background



This preview shows how the XYZ color 12.7456, 18.7778, 14.0191 looks on a white background.

Color Contrast Check

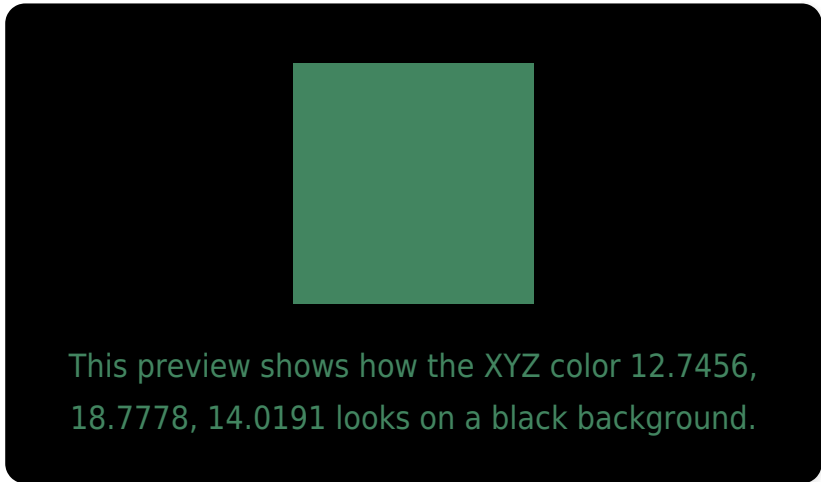
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 12.7456, 18.7778, 14.0191

Background



This preview shows how black text looks on a background with the XYZ color 12.7456, 18.7778, 14.0191.



This preview shows how white text looks on a background with the XYZ color 12.7456, 18.7778,

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

12.7456, 18.7778, 14.0191

Protanopia

17.3444, 18.5210, 12.3336

Deuteranopia

18.9122, 18.5848, 14.6470



Tritanopia

15.3672, 18.8511, 26.8734

Trichromacy



Original Color

12.7456, 18.7778, 14.0191

Protanomaly

14.9651, 18.1913, 12.8477

Deuteranomaly

15.8938, 18.2647, 14.4921

Tritanomaly

14.3054, 18.8118, 21.6160

Monochromacy



Original Color

12.7456, 18.7778, 14.0191

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.4913, 16.2835, 15.5287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7456, 18.7778, 14.0191 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(66, 133, 96)` looks like.

```
.text, #text, p{  
    color:rgb(66, 133, 96)  
}
```

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(66, 133, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 133, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.7456, 18.7778, 14.0191 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(66, 133, 96) }
```


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

```
.border{ border-color:rgb(66, 133, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 133, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 133, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 133, 96);  
box-shadow:4px 4px 4px 4px rgb(66, 133,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7456, 18.7778, 14.0191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 133, 96) }
```

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

```
.background{ background-color: rgb(66, 133,  
96) }
```

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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