

Converting Colors

XYZ(12.2558, 17.8044, 11.0365)

Have a look what the booklet for
XYZ(12.2558, 17.8044, 11.0365)
contains.

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Color

**XYZ(12.2356, 17.7809,
10.9708)**

Conversions

Conversions Part 1

Format	Color
Hex	4A8153
RGB	74, 129, 83
RGB Percent	29%, 51%, 33%
CMY	0.7098, 0.4941, 0.6745
CMYK	0.43, 0.00, 0.36, 0.49
HSL	130°, 27%, 40%
HSV	130°, 43%, 51%
XYZ	12.2356, 17.7809, 10.9708
YIQ	107.3110, -18.0140, -25.9660

Conversions

Conversions Part 2

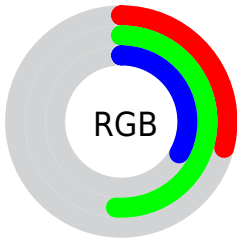
Format	Color
RYB	74, 121, 129
Decimal	4882771
CIELab	49.23, -28.70, 19.40
CIElCh	49, 34.638, 145.942
Yxy	17.7809, 0.2985, 0.4338
Android (android.graphics.Color)	4283072851 (0xFF4A8153)
YUV	107.3110, -11.9853, -29.2137
Hunter-Lab	42.1674, -21.9981, 14.0916

Details

The XYZ color **12.2356, 17.7809, 10.9708** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.8927, 10.9210, 19.0928**, and the grayscale version is **14.0977, 14.8319, 16.1519**.

A 20% lighter version of the original color is **29.4190, 39.5093, 28.2658**, and **3.4833, 5.9077, 2.7070** is the 20% darker color. If you saturate the color by 10%, you get **10.9579, 17.1672, 8.9033**, and if you desaturate by 10%, it is **13.7828, 18.5271, 13.3901**.

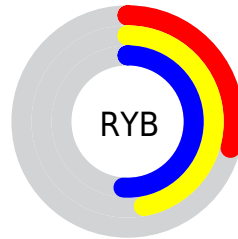
Distribution



Red (29%)

Green (51%)

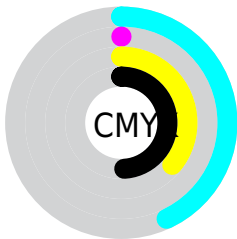
Blue (33%)



Red (29%)

Yellow (47%)

Blue (51%)

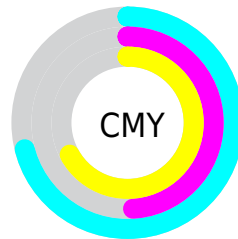


Cyan (43%)

Magenta (0%)

Yellow (36%)

Black (49%)



Cyan (71%)

Magenta (49%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2356, 17.7809, 10.9708 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 12.2356, 17.7809, 10.9708 by changing the saturation by 10% instead.

■ 12.2356, 17.7809,
10.9708

■ 12.2356, 17.7809,
10.9708

199.6971,
239.6332, 208.1974

■ 6.9777, 10.7928,
5.9333

■ 29.5366, 39.6636,
28.2420

■ 3.4944, 5.9277,
2.7364

■ 42.3104, 55.3270,
41.3127

■ 1.4203, 2.8012,
0.9617

■ 58.3203, 74.6510,
57.8983

■ 0.2706, 1.0288,
0.0000

■ 77.9315, 98.0200,
78.4172

■ 0.0000, 0.0000,
0.0000

■ 101.5094,
125.8183, 103.2880

129.4194,

158.4303, 132.9293

162.0268,
196.2405, 167.7596

■ 12.2356, 17.7809,
10.9708

■ 12.2356, 17.7809,
10.9708

■ 10.9579, 17.1672,
8.9033

■ 13.7828, 18.5271,
13.3901

■ 9.9327, 16.6760,
7.1702

■ 15.6124, 19.4105,
16.1754

■ 9.1435, 16.2996,
5.7541


■ 17.7380, 20.4385,
19.3413


■ 8.5707, 16.0285,
4.6358


■ 20.1722, 21.6170,
22.9014


■ 8.1920, 15.8515,
3.7939


■ 22.9266, 22.9520,
26.8688

 7.9870, 15.7558,
3.3351

 26.0122, 24.4488,
31.2557

 29.4398, 26.1127,
36.0739

 33.2192, 27.9485,
41.3348

 37.3602, 29.9611,
47.0493

Harmonies

Analogous

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



14.3124, 17.7809, 7.3181



12.2356, 17.7809, 10.9708



11.4040, 17.7809, 18.1219

Triad

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



12.2356, 17.7809, 10.9708



16.4620, 17.7809, 43.2477



23.1623, 17.7809, 12.5418

Complementary

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



12.2356, 17.7809, 10.9708



14.8927, 10.9210, 19.0928

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.



23.9278, 17.7809, 20.6541



12.2356, 17.7809, 10.9708



19.7826, 17.7809, 40.3131

Square

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



12.2356, 17.7809, 10.9708



13.6379, 17.7809, 38.2839



22.6212, 17.7809, 31.2060



20.6452, 17.7809, 8.0001

Rectangle

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



12.2356, 17.7809, 10.9708



11.5776, 17.7809, 24.7011



22.6212, 17.7809, 31.2060



23.6458, 17.7809, 14.8509

Sweetspot

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



12.2361, 17.7816, 10.9712



31.4923, 36.4679, 34.2340



16.9371, 20.2427, 9.4931



6.9565, 8.1713, 7.4947



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.2361, 17.7816, 10.9712



19.7136, 30.7850, 16.0938



13.4756, 18.2775, 17.4988



4.3025, 4.8293, 4.7644



7.7882, 15.3619, 3.2576



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.8927, 10.9210, 19.0928



25.1189, 16.8046, 32.6023



13.4894, 10.3597, 11.7030



4.4689, 4.4007, 5.2737



11.4617, 5.6044, 14.2869



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.2356, 17.7809, 10.9708 looks on a white background.

Color Contrast Check

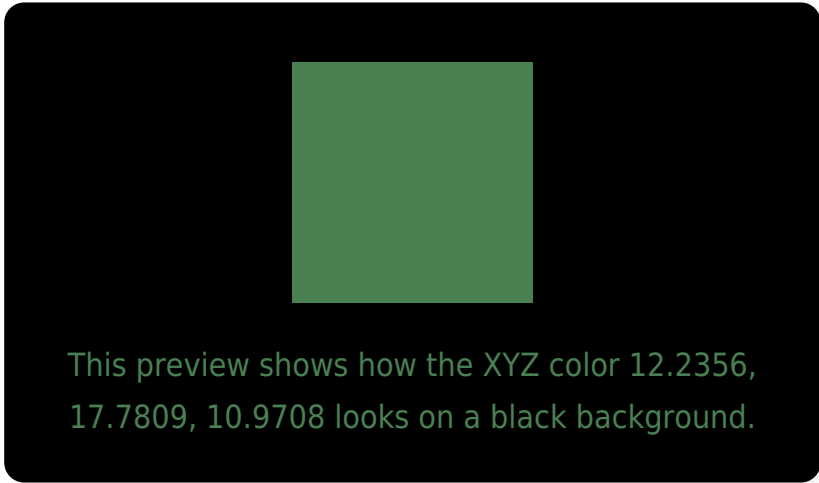
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 12.2356, 17.7809, 10.9708

Background



This preview shows how black text looks on a background with the XYZ color 12.2356, 17.7809, 10.9708.



This preview shows how white text looks on a background with the XYZ color 12.2356, 17.7809,

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

12.2356, 17.7809, 10.9708

Protanopia

16.2247, 17.4765, 9.7259

Deuteranopia

17.8310, 17.5948, 11.4732



Tritanopia

15.0629, 17.7907, 24.8303

Trichromacy



Original Color

12.2356, 17.7809, 10.9708

Protanomaly

14.3487, 17.3797, 10.1878

Deuteranomaly

15.0976, 17.2062, 11.3295

Tritanomaly

13.8215, 17.6544, 18.8988

Monochromacy



Original Color

12.2356, 17.7809, 10.9708

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.0547, 15.5762, 13.8737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2356, 17.7809, 10.9708 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(74, 129, 83)` looks like.

```
.text, #text, p{  
    color:rgb(74, 129, 83)  
}
```

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(74, 129, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 129, 83) }
```

Border

The CSS property to change the border of an element to XYZ 12.2356, 17.7809, 10.9708 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(74, 129, 83) }
```


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

```
.border{ border-color:rgb(74, 129, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 129, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 129, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 129, 83);  
box-shadow:4px 4px 4px 4px rgb(74, 129,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2356, 17.7809, 10.9708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 129, 83) }
```

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

```
.background{ background-color: rgb(74, 129,  
83) }
```

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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