

Converting Colors

XYZ(12.3153, 17.1087, 8.4474)

Have a look what the booklet for
XYZ(12.3153, 17.1087, 8.4474)
contains.

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Color

**XYZ(12.2769, 17.0879,
8.4456)**

Conversions

Conversions Part 1

Format	Color
Hex	567D46
RGB	86, 125, 70
RGB Percent	34%, 49%, 27%
CMY	0.6627, 0.5098, 0.7255
CMYK	0.31, 0.00, 0.44, 0.51
HSL	103°, 28%, 38%
HSV	103°, 44%, 49%
XYZ	12.2769, 17.0879, 8.4456
YIQ	107.0690, -5.5890, -25.3730

Conversions

Conversions Part 2

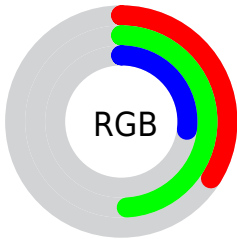
Format	Color
RYB	70, 125, 109
Decimal	5668166
CIELab	48.37, -24.71, 25.69
CIElCh	48, 35.646, 133.889
Yxy	17.0879, 0.3247, 0.4519
Android (android.graphics.Color)	4283858246 (0xFF567D46)
YUV	107.0690, -18.2750, -18.4775
Hunter-Lab	41.3375, -19.3276, 16.8228

Details

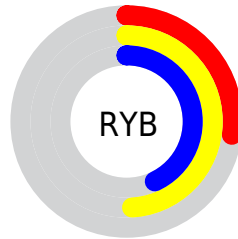
The XYZ color **12.2769, 17.0879, 8.4456** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.1993, 9.1127, 20.5190**, and the grayscale version is **14.0449, 14.7763, 16.0914**.

A 20% lighter version of the original color is **29.5667, 38.4911, 23.3240**, and **3.5123, 5.6281, 1.7654** is the 20% darker color. If you saturate the color by 10%, you get **11.1567, 16.5519, 6.5436**, and if you desaturate by 10%, it is **13.5814, 17.7105, 10.7858**.

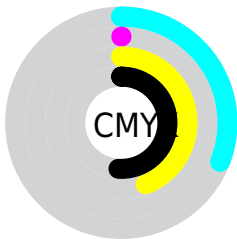
Distribution



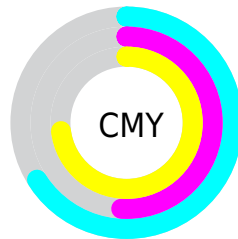
- Red (34%)
- Green (49%)
- Blue (27%)



- Red (27%)
- Yellow (49%)
- Blue (43%)



- Cyan (31%)
- Magenta (0%)
- Yellow (44%)
- Black (51%)



- Cyan (66%)
- Magenta (51%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2769, 17.0879, 8.4456 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 12.2769, 17.0879, 8.4456 by changing the saturation by 10% instead.

■ 12.2769, 17.0879,
8.4456

■ 12.2769, 17.0879,
8.4456

199.9626,
235.6784, 189.2497

■ 7.0061, 10.2972,
4.2895

■ 29.6109, 38.4768,
23.3879

■ 3.5123, 5.5964,
1.7855

■ 42.4049, 53.8439,
35.0112

■ 1.4301, 2.6013,
0.4184

■ 58.4372, 72.8384,
49.9607

■ 0.2775, 0.9273,
0.0000

■ 78.0733, 95.8449,
68.6549

■ 0.0000, 0.0000,
0.0000

■ 101.6786,
123.2478, 91.5124

129.6183,

155.4314, 118.9516

162.2579,
192.7801, 151.3912

■ 12.2769, 17.0879,
8.4456

■ 12.2769, 17.0879,
8.4456

■ 11.1567, 16.5519,
6.5436

■ 13.5814, 17.7105,
10.7858

■ 10.2106, 16.0962,
5.0515

■ 15.0771, 18.4211,
13.5880

■ 9.4295, 15.7173,
3.9392


■ 16.7722, 19.2239,
16.8755


■ 8.8026, 15.4105,
3.1724


■ 18.6737, 20.1222,
20.6699

■ 8.3169, 15.1699,
2.7051


■ 20.7887, 21.1190,
24.9914

 8.0742, 15.0496,
2.4793

 23.1235, 22.2173,
29.8591

 25.6846, 23.4201,
35.2910

 28.4779, 24.7298,
41.3045

 31.5091, 26.1493,
47.9163

Harmonies

Analogous

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



14.7848, 17.0879, 6.0647



12.2769, 17.0879, 8.4456



10.9393, 17.0879, 14.0612

Triad

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



12.2769, 17.0879, 8.4456



14.5656, 17.0879, 41.6905



23.1077, 17.0879, 14.6257

Complementary

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



12.2769, 17.0879, 8.4456



12.1993, 9.1127, 20.5190

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.



23.0283, 17.0879, 24.0373



12.2769, 17.0879, 8.4456



17.7910, 17.0879, 41.9994

Square

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



12.2769, 17.0879, 8.4456



12.1350, 17.0879, 34.0071



20.9792, 17.0879, 34.7473



21.1834, 17.0879, 8.7393

Rectangle

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



12.2769, 17.0879, 8.4456



10.7625, 17.0879, 19.8484



20.9792, 17.0879, 34.7473



23.3216, 17.0879, 17.4162

Sweetspot

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



12.2773, 17.0886, 8.4460



30.2549, 34.5284, 30.6549



14.9791, 15.6338, 8.0228



6.7453, 7.7894, 6.7043



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.2773, 17.0886, 8.4460



19.9260, 29.6140, 11.6324



11.3452, 16.5642, 10.3842



4.3845, 4.8747, 4.6299



8.4202, 15.7032, 2.5872



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1993, 9.1127, 20.5190



19.7498, 13.3246, 36.2753



13.6855, 9.9557, 17.1207



4.3801, 4.3516, 5.4223



8.1201, 3.7398, 20.5438



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.2769, 17.0879, 8.4456 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 12.2769, 17.0879, 8.4456 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 12.2769, 17.0879, 8.4456

Background



This preview shows how black text looks on a background with the XYZ color 12.2769, 17.0879, 8.4456.



This preview shows how white text looks on a background with the XYZ color 12.2769, 17.0879,

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

12.2769, 17.0879, 8.4456

Protanopia

15.4581, 16.7879, 7.5799

Deuteranopia

17.1859, 16.8350, 8.8222



Tritanopia

15.1986, 17.0022, 22.9028

Trichromacy



Original Color

12.2769, 17.0879, 8.4456

Protanomaly

14.0471, 16.7416, 7.8013

Deuteranomaly

14.9411, 16.6644, 8.7324

Tritanomaly

13.9048, 17.0116, 16.4606

Monochromacy



Original Color

12.2769, 17.0879, 8.4456

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.1833, 15.4954, 12.8858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2769, 17.0879, 8.4456 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(86, 125, 70)` looks like.

```
.text, #text, p{  
    color:rgb(86, 125, 70)  
}
```

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(86, 125, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 125, 70) }
```

Border

The CSS property to change the border of an element to XYZ 12.2769, 17.0879, 8.4456 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(86, 125, 70) }
```


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

```
.border{ border-color:rgb(86, 125, 70) }
```

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

Here you see how a box with a 4 pixel rgb(86, 125, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 125, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 125, 70);  
box-shadow:4px 4px 4px 4px rgb(86, 125,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2769, 17.0879, 8.4456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 125, 70) }
```

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

```
.background{ background-color: rgb(86, 125,  
70) }
```

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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