

Converting Colors

XYZ(8.8099, 12.3855, 4.2153)

Have a look what the booklet for
XYZ(8.8099, 12.3855, 4.2153)
contains.

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Color

**XYZ(8.8592, 12.4773,
4.2269)**

Conversions

Conversions Part 1	
Format	Color
Hex	4D6C2B
RGB	77, 108, 43
RGB Percent	30%, 42%, 17%
CMY	0.6980, 0.5765, 0.8314
CMYK	0.29, 0.00, 0.60, 0.58
HSL	89°, 43%, 30%
HSV	89°, 60%, 42%
XYZ	8.8592, 12.4773, 4.2269
YIQ	91.3210, 2.3890, -26.7870

Conversions

Conversions Part 2

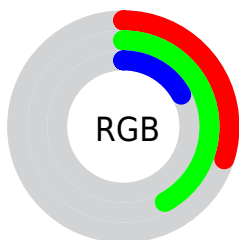
Format	Color
RYB	43, 108, 74
Decimal	5073963
CIELab	41.96, -23.15, 32.22
CIELCh	42, 39.672, 125.694
Yxy	12.4773, 0.3466, 0.4881
Android (android.graphics.Color)	4283264043 (0xFF4D6C2B)
YUV	91.3210, -23.8223, -12.5595
Hunter-Lab	35.3232, -17.0472, 17.6314

Details

The XYZ color **8.8592, 12.4773, 4.2269** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.3951, 4.2666, 14.6745**, and the grayscale version is **10.0696, 10.5940, 11.5369**.

A 20% lighter version of the original color is **23.3612, 30.4861, 14.5507**, and **2.1226, 3.4929, 0.5623** is the 20% darker color. If you saturate the color by 10%, you get **8.2875, 12.2029, 3.2995**, and if you desaturate by 10%, it is **9.5169, 12.7907, 5.4329**.

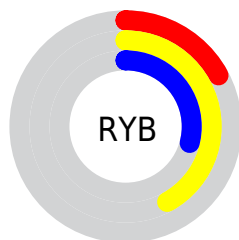
Distribution



Red (30%)

Green (42%)

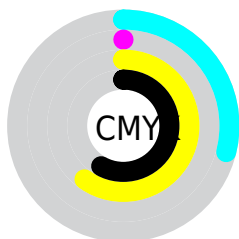
Blue (17%)



Red (17%)

Yellow (42%)

Blue (29%)

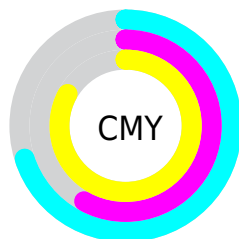


Cyan (29%)

Magenta (0%)

Yellow (60%)

Black (58%)



Cyan (70%)


Magenta (58%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.8592, 12.4773, 4.2269 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 8.8592, 12.4773, 4.2269 by changing the saturation by 10% instead.


 8.8592, 12.4773,
4.2269


 8.8592, 12.4773,
4.2269


176.5534,
207.5400, 150.7149


 4.7058, 7.0696,
1.7506


 23.2960, 30.3615,
14.5298


 2.1087, 3.5057,
0.3951

 34.3102, 43.6068,
23.1934


 0.6939, 1.4011,
0.0000

 48.3421, 60.2334,
34.7567

 0.0000, 0.2175,
0.0000

 65.7569, 80.6257,
49.6380

 0.0000, 0.0000,
0.0000

 86.9201, 105.1681,
68.2559

 112.1970,

134.2451, 91.0290

141.9530,
168.2409, 118.3759

■ 8.8592, 12.4773,
4.2269

■ 8.8592, 12.4773,
4.2269

■ 8.2875, 12.2029,
3.2995

■ 9.5169, 12.7907,
5.4329

■ 7.7960, 11.9639,
2.6275

■ 10.2643, 13.1435,
6.9368

■ 7.3793, 11.7584,
2.1853

■ 11.1057, 13.5379,
8.7568

■ 7.0213, 11.5806,
1.8652

■ 12.0452, 13.9755,
10.9096

■ 13.0862, 14.4579,
13.4109

■ 14.2322, 14.9865,
16.2750

■ 15.4863, 15.5626,
19.5157

■ 16.8518, 16.1876,
23.1461

■ 18.3315, 16.8627,
27.1784

Harmonies

Analogous

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



11.3076, 12.4773, 3.0085



8.8592, 12.4773, 4.2269



7.4200, 12.4773, 7.9551

Triad

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



8.8592, 12.4773, 4.2269



9.6827, 12.4773, 34.3078



18.4156, 12.4773, 12.0429

Complementary

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



8.8592, 12.4773, 4.2269



6.3951, 4.2666, 14.6745

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.



17.7887, 12.4773, 21.3925



8.8592, 12.4773, 4.2269



12.4286, 12.4773, 36.8811

Square

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



8.8592, 12.4773, 4.2269



7.8375, 12.4773, 25.3803



15.4701, 12.4773, 31.4165



17.0643, 12.4773, 6.1636

Rectangle

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



8.8592, 12.4773, 4.2269



7.0709, 12.4773, 12.4067



15.4701, 12.4773, 31.4165



18.4315, 12.4773, 14.8371

Sweetspot

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



8.8595, 12.4778, 4.2272



21.4431, 24.6727, 19.8533



9.0253, 8.1720, 3.3873



5.0934, 5.9270, 4.5776



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



8.8595, 12.4778, 4.2272



14.2078, 21.2575, 5.2973



6.8885, 11.4618, 4.1349



3.2009, 3.5154, 3.3273



8.3427, 13.7960, 2.2232



41.5007, 69.7765, 11.2809

Inverse Universe

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



6.3951, 4.2666, 14.6745



9.4574, 5.4167, 25.4548



9.4952, 5.8647, 14.8196



3.0729, 3.0893, 3.8692



4.8564, 2.1306, 17.0775



23.7542, 10.3454, 86.9711

Previews

White Background



This preview shows how the XYZ color 8.8592, 12.4773, 4.2269 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 8.8592, 12.4773, 4.2269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

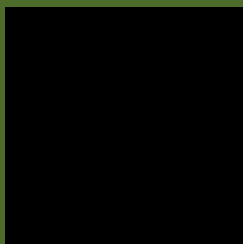
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.8592, 12.4773, 4.2269

Background



This preview shows how black text looks on a background with the XYZ color 8.8592, 12.4773, 4.2269.



This preview shows how white text looks on a background with the XYZ color 8.8592, 12.4773,

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

8.8592, 12.4773, 4.2269

Protanopia

11.2753, 12.3919, 3.8051

Deuteranopia

12.5418, 12.3482, 4.4117



Tritanopia

11.2517, 12.3899, 16.2665

Trichromacy



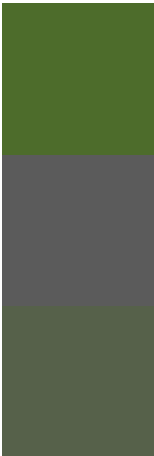
Original Color
8.8592, 12.4773, 4.2269

Protanomaly
10.1886, 12.2595, 3.9271

Deuteranomaly
10.8988, 12.1851, 4.3623

Tritanomaly
10.1573, 12.3955, 10.4516

Monochromacy



Original Color
8.8592, 12.4773, 4.2269

Achromatopsia
9.9438, 10.4616, 11.3927

Achromatomaly
9.3485, 11.0222, 8.1134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.8592, 12.4773, 4.2269 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(77, 108, 43)` looks like.

```
.text, #text, p{  
    color:rgb(77, 108, 43)  
}
```

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(77, 108, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 108, 43) }
```

Border

The CSS property to change the border of an element to XYZ 8.8592, 12.4773, 4.2269 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(77, 108, 43) }
```


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

```
.border{ border-color:rgb(77, 108, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 108, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 108, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 108, 43);  
box-shadow:4px 4px 4px 4px rgb(77, 108,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 8.8592, 12.4773, 4.2269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(77, 108, 43) }
```

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

```
.background{ background-color:rgb(77, 108,  
43) }
```

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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