

Converting Colors

XYZ(12.4041, 17.9240, 8.4361)

Have a look what the booklet for
XYZ(12.4041, 17.9240, 8.4361)
contains.

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Color

**XYZ(12.4041, 17.9240,
8.4361)**

Conversions

Conversions Part 1

Format	Color
Hex	528145
RGB	82, 129, 69
RGB Percent	32%, 51%, 27%
CMY	0.6784, 0.4941, 0.7294
CMYK	0.36, 0.00, 0.47, 0.49
HSL	107°, 30%, 39%
HSV	107°, 47%, 51%
XYZ	12.4041, 17.9240, 8.4361
YIQ	108.1070, -8.7520, -28.6240

Conversions

Conversions Part 2

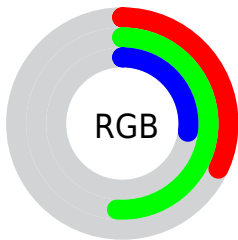
Format	Color
RYB	69, 129, 116
Decimal	5407045
CIELab	49.40, -28.30, 27.50
CIELCh	49, 39.459, 135.814
Yxy	17.9240, 0.3200, 0.4624
Android (android.graphics.Color)	4283597125 (0xFF528145)
YUV	108.1070, -19.2798, -22.8958
Hunter-Lab	42.3367, -21.7912, 17.8215

Details

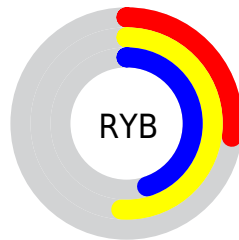
The XYZ color **12.4041, 17.9240, 8.4361** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.2938, 9.5547, 21.9134**, and the grayscale version is **14.3385, 15.0852, 16.4277**.

A 20% lighter version of the original color is **29.8295, 39.8322, 23.2558**, and **3.5463, 5.9609, 1.7743** is the 20% darker color. If you saturate the color by 10%, you get **11.2316, 17.3614, 6.5135**, and if you desaturate by 10%, it is **13.7941, 18.5897, 10.8242**.

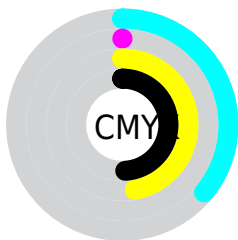
Distribution



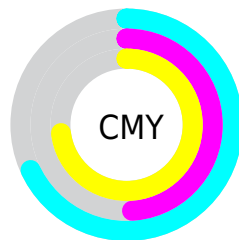
- Red (32%)
- Green (51%)
- Blue (27%)



- Red (27%)
- Yellow (51%)
- Blue (45%)



- Cyan (36%)
- Magenta (0%)
- Yellow (47%)
- Black (49%)



- Cyan (68%)
- Magenta (49%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4041, 17.9240, 8.4361 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 12.4041, 17.9240, 8.4361 by changing the saturation by 10% instead.

■ 12.4041, 17.9240,
8.4361

■ 12.4041, 17.9240,
8.4361

200.7782,
240.4423, 189.1741

■ 7.0937, 10.8954,
4.2835

■ 29.8395, 39.9078,
23.3692

■ 3.5676, 5.9966,
1.7821

■ 42.6952, 55.6318,
34.9867

■ 1.4605, 2.8430,
0.4161

■ 58.7966, 75.0231,
49.9296

■ 0.2988, 1.0503,
0.0000

■ 78.5092, 98.4660,
68.6165

■ 0.0000, 0.0000,
0.0000

■ 102.1983,
126.3450, 91.4659

130.2293,

159.0445, 118.8962

162.9675,
196.9488, 151.3261

■ 12.4041, 17.9240,
8.4361

■ 12.4041, 17.9240,
8.4361

■ 11.2316, 17.3614,
6.5135

■ 13.7941, 18.5897,
10.8242

■ 10.2638, 16.8945,
5.0249

■ 15.4107, 19.3610,
13.7042

■ 9.4888, 16.5182,
3.9367


■ 17.2640, 20.2432,
17.1018


■ 8.8926, 16.2264,
3.2102


■ 19.3634, 21.2404,
21.0409


■ 8.4547, 16.0098,
2.7738


■ 21.7176, 22.3568,
25.5435

 8.3281, 15.9474,
2.6392

 24.3346, 23.5961,
30.6307

 27.2226, 24.9619,
36.3224

 30.3890, 26.4577,
42.6375

 33.8410, 28.0869,
49.5941

Harmonies

Analogous

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



15.1602, 17.9240, 5.6959



12.4041, 17.9240, 8.4361



10.9993, 17.9240, 14.9135

Triad

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



12.4041, 17.9240, 8.4361



15.3425, 17.9240, 46.8797



24.8877, 17.9240, 14.4485

Complementary

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



12.4041, 17.9240, 8.4361



13.2938, 9.5547, 21.9134

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.



24.9555, 17.9240, 24.9800



12.4041, 17.9240, 8.4361



19.0610, 17.9240, 46.6100

Square

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



12.4041, 17.9240, 8.4361



12.5208, 17.9240, 38.2022



22.6981, 17.9240, 37.5618



22.5245, 17.9240, 8.2030

Rectangle

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



12.4041, 17.9240, 8.4361



10.8644, 17.9240, 21.6660



22.6981, 17.9240, 37.5618



25.1901, 17.9240, 17.5135

Sweetspot

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



12.4045, 17.9248, 8.4365



31.6975, 36.6215, 32.0803



16.3736, 17.5884, 8.1624



7.0260, 8.2185, 6.9847



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.



12.4045, 17.9248, 8.4365



19.9604, 31.0159, 11.4224



11.9847, 17.6384, 11.5774



4.3565, 4.8602, 4.6286



8.1227, 15.5498, 2.5733



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2938, 9.5547, 21.9134



21.7395, 14.0277, 38.7543



14.1066, 10.0937, 16.5347



4.4099, 4.3669, 5.4237



9.1055, 4.2477, 20.5899



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4041, 17.9240, 8.4361 looks on a white background.

Color Contrast Check

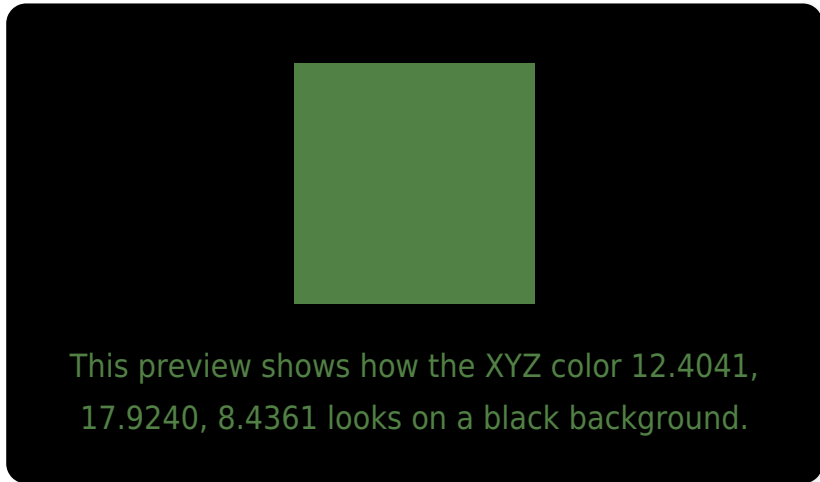
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4041, 17.9240, 8.4361

Background



This preview shows how black text looks on a background with the XYZ color 12.4041, 17.9240, 8.4361.



This preview shows how white text looks on a background with the XYZ color 12.4041, 17.9240,

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

12.4041, 17.9240, 8.4361

Protanopia

16.3687, 17.7714, 7.5685

Deuteranopia

17.9813, 17.7321, 8.7783



Tritanopia

15.6386, 17.9122, 24.4629

Trichromacy



Original Color

12.4041, 17.9240, 8.4361

Protanomaly

14.5028, 17.5128, 7.7702

Deuteranomaly

15.3939, 17.4178, 8.6815

Tritanomaly

14.2138, 17.8952, 17.1730

Monochromacy



Original Color

12.4041, 17.9240, 8.4361

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.4114, 15.9516, 12.9618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4041, 17.9240, 8.4361 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(82, 129, 69)` looks like.

```
.text, #text, p{  
    color:rgb(82, 129, 69)  
}
```

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(82, 129, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 129, 69) }
```

Border

The CSS property to change the border of an element to XYZ 12.4041, 17.9240, 8.4361 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(82, 129, 69) }
```


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

```
.border{ border-color:rgb(82, 129, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 129, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 129, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 129, 69);  
box-shadow:4px 4px 4px 4px rgb(82, 129,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4041, 17.9240, 8.4361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 129, 69) }
```

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

```
.background{ background-color: rgb(82, 129,  
69) }
```

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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