

Converting Colors

XYZ(12.1503, 17.4556, 10.4644)

Have a look what the booklet for
XYZ(12.1503, 17.4556, 10.4644)
contains.

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Color

**XYZ(12.2649, 17.6102,
10.5373)**

Conversions

Conversions Part 1

Format	Color
Hex	4D8051
RGB	77, 128, 81
RGB Percent	30%, 50%, 32%
CMY	0.6980, 0.4980, 0.6823
CMYK	0.40, 0.00, 0.37, 0.50
HSL	125°, 25%, 40%
HSV	125°, 40%, 50%
XYZ	12.2649, 17.6102, 10.5373
YIQ	107.3930, -15.3090, -25.4290

Conversions

Conversions Part 2

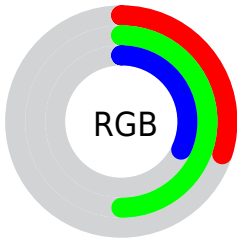
Format	Color
R_{YB}	77, 124, 128
Decimal	5079121
CIE _{Lab}	49.02, -27.59, 20.28
CIE _{LCh}	49, 34.244, 143.685
Yxy	17.6102, 0.3035, 0.4358
Android (android.graphics.Color)	4283269201 (0xFF4D8051)
YUV	107.3930, -13.0117, -26.6547
Hunter-Lab	41.9645, -21.2680, 14.4874

Details

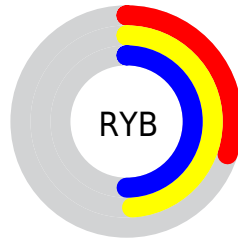
The XYZ color **12.2649, 17.6102, 10.5373** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.1945, 11.3524, 20.4595**, and the grayscale version is **14.1228, 14.8582, 16.1806**.

A 20% lighter version of the original color is **29.5227, 39.2756, 27.4977**, and **3.4798, 5.8031, 2.5268** is the 20% darker color. If you saturate the color by 10%, you get **10.9275, 16.9680, 8.3630**, and if you desaturate by 10%, it is **13.8834, 18.3894, 13.1268**.

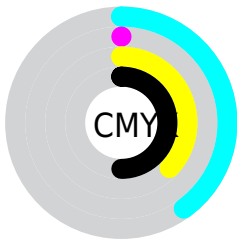
Distribution



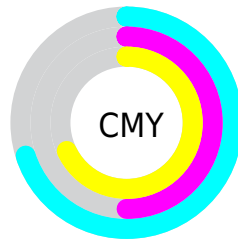
- Red (30%)
- Green (50%)
- Blue (32%)



- Red (30%)
- Yellow (49%)
- Blue (50%)



- Cyan (40%)
- Magenta (0%)
- Yellow (37%)
- Black (50%)



- Cyan (70%)
- Magenta (50%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2649, 17.6102, 10.5373 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 12.2649, 17.6102, 10.5373 by changing the saturation by 10% instead.

■ 12.2649, 17.6102,
10.5373

■ 12.2649, 17.6102,
10.5373

199.8855,
238.6647, 205.0872

■ 6.9978, 10.6705,
5.6464

■ 29.5893, 39.3720,
27.4248

■ 3.5071, 5.8457,
2.5660

■ 42.3774, 54.9629,
40.2584

■ 1.4272, 2.7515,
0.8748

■ 58.4032, 74.2062,
56.5767

■ 0.2755, 1.0034,
0.0000

■ 78.0321, 97.4865,
76.7983

■ 0.0000, 0.0000,
0.0000

■ 101.6294,
125.1881, 101.3415

129.5605,

157.6954, 130.6251

162.1908,
195.3928, 165.0675

■ 12.2649, 17.6102,
10.5373

■ 12.2649, 17.6102,
10.5373

■ 10.9275, 16.9680,
8.3630

■ 13.8834, 18.3894,
13.1268

■ 9.8538, 16.4528,
6.5811

■ 15.7963, 19.3106,
16.1501

■ 9.0267, 16.0568,
5.1685


■ 18.0177, 20.3812,
19.6264


■ 8.4265, 15.7705,
4.0995


■ 20.5604, 21.6073,
23.5731


■ 8.0305, 15.5826,
3.3447


■ 23.4365, 22.9948,
28.0070


 7.7780, 15.4627,
2.8683

 26.6575, 24.5493,
32.9437

 7.7746, 15.4611,
2.8629

 30.2342, 26.2762,
38.3986

 34.1772, 28.1804,
44.3859

 38.4964, 30.2669,
50.9196

Harmonies

Analogous

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



14.3922, 17.6102, 7.1647



12.2649, 17.6102, 10.5373



11.3503, 17.6102, 17.3061

Triad

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



12.2649, 17.6102, 10.5373



16.0722, 17.6102, 42.4788



23.0088, 17.6102, 12.9465

Complementary

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



12.2649, 17.6102, 10.5373



15.1945, 11.3524, 20.4595

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.



23.6068, 17.6102, 21.1728



12.2649, 17.6102, 10.5373



19.3256, 17.6102, 40.1871

Square

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



12.2649, 17.6102, 10.5373



13.3610, 17.6102, 37.1043



22.1845, 17.6102, 31.5768



20.6408, 17.6102, 8.2148

Rectangle

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



12.2649, 17.6102, 10.5373



11.4564, 17.6102, 23.6395



22.1845, 17.6102, 31.5768



23.4350, 17.6102, 15.3105

Sweetspot

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



12.2654, 17.6109, 10.5377



30.7195, 35.3996, 32.9908



17.4586, 20.3050, 10.0202



7.0944, 8.2408, 7.5712



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.



12.2654, 17.6109, 10.5377



19.3968, 29.9494, 14.9831



13.3765, 18.0554, 16.3889



4.2887, 4.8238, 4.6914



7.7089, 15.3301, 2.8400



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.1945, 11.3524, 20.4595



25.3187, 17.2868, 35.0346



13.8133, 10.7999, 13.1863



4.4841, 4.4068, 5.3536



12.0672, 5.8466, 17.4755



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.2649, 17.6102, 10.5373 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 12.2649, 17.6102, 10.5373 looks on a 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 12.2649, 17.6102, 10.5373

Background



This preview shows how black text looks on a background with the XYZ color 12.2649, 17.6102, 10.5373.



This preview shows how white text looks on a background with the XYZ color 12.2649, 17.6102,

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

12.2649, 17.6102, 10.5373

Protanopia

16.1541, 17.4482, 9.3539

Deuteranopia

17.6407, 17.3431, 11.0121



Tritanopia

15.0549, 17.6112, 24.4356

Trichromacy



Original Color

12.2649, 17.6102, 10.5373

Protanomaly

14.2760, 17.1711, 9.7697

Deuteranomaly

15.0318, 17.0075, 10.8780

Tritanomaly

13.7556, 17.4466, 18.2653

Monochromacy



Original Color

12.2649, 17.6102, 10.5373

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.1592, 15.6301, 13.8786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2649, 17.6102, 10.5373 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, 128, 81)` looks like.

```
.text, #text, p{  
    color:rgb(77, 128, 81)  
}
```

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, 128, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 128, 81) }
```

Border

The CSS property to change the border of an element to XYZ 12.2649, 17.6102, 10.5373 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, 128, 81) }
```


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

```
.border{ border-color:rgb(77, 128, 81) }
```

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

Here you see how a box with a 4 pixel rgb(77, 128, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 128, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 128, 81);  
box-shadow:4px 4px 4px 4px rgb(77, 128,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2649, 17.6102, 10.5373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 128, 81) }
```

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

```
.background{ background-color: rgb(77, 128,  
81) }
```

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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