

Converting Colors

XYZ(15.8765, 22.4017, 20.0102)

Have a look what the booklet for
XYZ(15.8765, 22.4017, 20.0102)
contains.

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Color

**XYZ(15.8765, 22.4017,
20.0102)**

Conversions

Conversions Part 1

Format	Color
Hex	4B8F74
RGB	75, 143, 116
RGB Percent	29%, 56%, 45%
CMY	0.7059, 0.4392, 0.5451
CMYK	0.48, 0.00, 0.19, 0.44
HSL	156°, 31%, 43%
HSV	156°, 48%, 56%
XYZ	15.8765, 22.4017, 20.0102
YIQ	119.5900, -31.8610, -22.8130

Conversions

Conversions Part 2

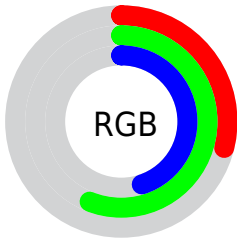
Format	Color
R_{YB}	75, 117, 143
Decimal	4951924
CIE _{Lab}	54.45, -28.30, 7.76
CIE _{LCh}	54, 29.346, 164.671
Yxy	22.4017, 0.2724, 0.3843
Android (android.graphics.Color)	4283142004 (0xFF4B8F74)
YUV	119.5900, -1.7699, -39.1054
Hunter-Lab	47.3304, -22.9523, 8.0649

Details

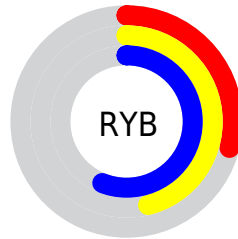
The XYZ color **15.8765, 22.4017, 20.0102** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.2428, 11.8317, 13.9989**, and the grayscale version is **17.7350, 18.6586, 20.3192**.

A 20% lighter version of the original color is **35.9362, 47.3489, 44.2910**, and **5.1391, 8.2101, 6.7827** is the 20% darker color. If you saturate the color by 10%, you get **14.5611, 21.7612, 18.2771**, and if you desaturate by 10%, it is **17.4648, 23.1817, 21.8625**.

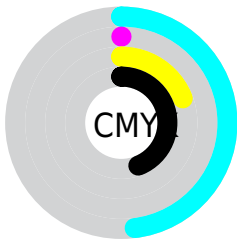
Distribution



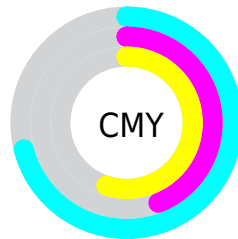
- Red (29%)
- Green (56%)
- Blue (45%)



- Red (29%)
- Yellow (46%)
- Blue (56%)



- Cyan (48%)
- Magenta (0%)
- Yellow (19%)
- Black (44%)



- Cyan (71%)
- Magenta (44%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8765, 22.4017, 20.0102 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 15.8765, 22.4017, 20.0102 by changing the saturation by 10% instead.

■ 15.8765, 22.4017,
20.0102

■ 15.8765, 22.4017,
20.0102

221.8966,
264.6369, 264.5764

■ 9.5271, 14.1524,
12.2183

■ 35.9429, 47.4090,
44.2935

■ 5.1464, 8.2267,
6.7682

■ 50.3905, 64.9358,
61.6219

■ 2.3691, 4.2404,
3.2413

■ 68.2683, 86.3239,
82.9664

■ 0.8296, 1.8089,
1.2191

■ 89.9416, 111.9576,
108.7452

■ 0.0000, 0.4927,
0.0000

■ 115.7757,
142.2213, 139.3772

■ 0.0000, 0.0000,
0.0000

146.1360,

177.4996, 175.2806

181.3878,
218.1766, 216.8742

■ 15.8765, 22.4017,
20.0102

■ 15.8765, 22.4017,
20.0102

■ 14.5611, 21.7612,
18.2771

■ 17.4648, 23.1817,
21.8625

■ 13.4993, 21.2485,
16.6590

■ 19.3399, 24.1067,
23.8349

■ 12.6722, 20.8546,
15.1534

■ 21.5170, 25.1849,
25.9305

■ 12.0572, 20.5678,
13.7575

■ 24.0097, 26.4233,
28.1516

■ 11.6120, 20.3664,
12.4671

■ 26.8307, 27.8286,
30.5005

■ 11.5114, 20.3211,
12.1663

■ 29.9920, 29.4067,
32.9794

■ 33.5049, 31.1635,
35.5905

■ 37.3803, 33.1046,
38.3358

■ 41.6285, 35.2352,
41.2175

Harmonies

Analogous

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



17.2406, 22.4017, 13.8557



15.8765, 22.4017, 20.0102



15.8614, 22.4017, 29.1486

Triad

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



15.8765, 22.4017, 20.0102



22.8941, 22.4017, 45.8023



25.9906, 22.4017, 13.9545

Complementary

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



15.8765, 22.4017, 20.0102



16.2428, 11.8317, 13.9989

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.



27.8394, 22.4017, 20.1826



15.8765, 22.4017, 20.0102



25.9334, 22.4017, 39.2477

Square

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



15.8765, 22.4017, 20.0102



19.7016, 22.4017, 45.7224



27.8175, 22.4017, 29.3701



22.9661, 22.4017, 11.0060

Rectangle

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



15.8765, 22.4017, 20.0102



16.6082, 22.4017, 35.8937



27.8175, 22.4017, 29.3701



26.7831, 22.4017, 15.6538

Sweetspot

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



15.8771, 22.4026, 20.0107



39.9224, 45.7906, 47.7059



16.5954, 22.9903, 10.2199



8.9620, 10.4049, 10.7644



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.8771, 22.4026, 20.0107



25.9380, 38.9026, 32.5347



16.6926, 21.1446, 29.1891



5.4708, 6.0805, 6.4450



10.1884, 17.9712, 10.8122



0.1083, 0.1762, 0.1607

Inverse Universe

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



16.2428, 11.8317, 13.9989



26.6819, 17.6113, 20.4627



15.6006, 12.3527, 8.2191



5.4920, 5.4573, 6.0891



10.6738, 5.4265, 3.9337



0.1124, 0.0560, 0.0921

Previews

White Background



This preview shows how the XYZ color 15.8765, 22.4017, 20.0102 looks on a white 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

Black Background



This preview shows how the XYZ color 15.8765, 22.4017, 20.0102 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 15.8765, 22.4017, 20.0102

Background



This preview shows how black text looks on a background with the XYZ color 15.8765, 22.4017, 20.0102.



This preview shows how white text looks on a background with the XYZ color 15.8765, 22.4017,

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

15.8765, 22.4017, 20.0102

Protanopia

20.9271, 22.1230, 17.6352

Deuteranopia

22.5778, 22.1343, 20.8517



Tritanopia

18.2497, 22.2638, 32.1896

Trichromacy



Original Color

15.8765, 22.4017, 20.0102

Protanomaly

18.3892, 21.7975, 18.5674

Deuteranomaly

19.3268, 21.8275, 20.6473

Tritanomaly

17.3589, 22.3405, 27.4420

Monochromacy



Original Color

15.8765, 22.4017, 20.0102

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.7579, 19.7133, 20.3746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8765, 22.4017, 20.0102 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(75, 143, 116)` looks like.

```
.text, #text, p{  
    color:rgb(75, 143, 116)  
}
```

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(75, 143, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 143, 116) }
```

Border

The CSS property to change the border of an element to XYZ 15.8765, 22.4017, 20.0102 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(75, 143, 116) }
```


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

```
.border{ border-color:rgb(75, 143, 116) }
```

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

Here you see how a box with a 4 pixel rgb(75, 143, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 143, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 143, 116);  
box-shadow:4px 4px 4px 4px rgb(75, 143,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8765, 22.4017, 20.0102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 143, 116) }
```

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

```
.background{ background-color: rgb(75, 143,  
116) }
```

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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