

Converting Colors

XYZ(17.9890, 23.8891, 16.5521)

Have a look what the booklet for
XYZ(17.9890, 23.8891, 16.5521)
contains.

XYZ(17.9009, 23.7506, 16.4728)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.9009, 23.7506,
16.4728)**

Conversions

Conversions Part 1

Format	Color
Hex	669067
RGB	102, 144, 103
RGB Percent	40%, 56%, 40%
CMY	0.6000, 0.4353, 0.5961
CMYK	0.29, 0.00, 0.28, 0.44
HSL	121°, 17%, 48%
HSV	121°, 29%, 56%
XYZ	17.9009, 23.7506, 16.4728
YIQ	126.7680, -11.8710, -21.6550

Conversions

Conversions Part 2

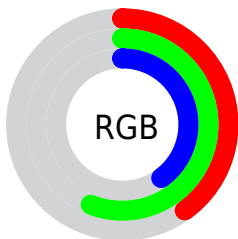
Format	Color
R_{YB}	102, 143, 144
Decimal	6721639
CIE _{Lab}	55.84, -23.04, 17.29
CIE _{LCh}	56, 28.804, 143.117
Yxy	23.7506, 0.3080, 0.4086
Android (android.graphics.Color)	4284911719 (0xFF669067)
YUV	126.7680, -11.7176, -21.7215
Hunter-Lab	48.7346, -19.7200, 14.0736

Details

The XYZ color **17.9009, 23.7506, 16.4728** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.2117, 17.4156, 28.2310**, and the grayscale version is **20.1355, 21.1841, 23.0695**.

A 20% lighter version of the original color is **39.3532, 49.5913, 38.0698**, and **6.0964, 8.8711, 5.1324** is the 20% darker color. If you saturate the color by 10%, you get **15.7613, 22.7231, 12.9942**, and if you desaturate by 10%, it is **20.4439, 24.9738, 20.5906**.

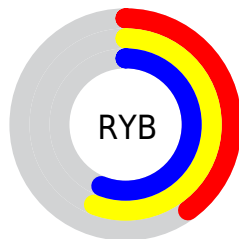
Distribution



Red (40%)

Green (56%)

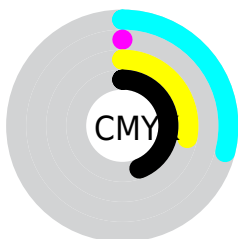
Blue (40%)



Red (40%)

Yellow (56%)

Blue (56%)

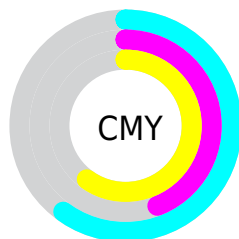


Cyan (29%)

Magenta (0%)

Yellow (28%)

Black (44%)



Cyan (60%)

Magenta (44%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9009, 23.7506, 16.4728 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 17.9009, 23.7506, 16.4728 by changing the saturation by 10% instead.

■ 17.9009, 23.7506,
16.4728

■ 17.9009, 23.7506,
16.4728

233.3683,
271.5572, 244.0559

■ 10.9781, 15.1487,
9.7014

■ 39.3998, 49.6229,
38.1952

■ 6.1193, 8.9238,
5.0984

■ 54.7066, 67.6621,
53.9833

■ 2.9591, 4.6915,
2.2454

■ 73.5388, 89.6159,
73.6140

■ 1.1322, 2.0674,
0.7004

■ 96.2618, 115.8687,
97.5059

■ 0.0518, 0.6462,
0.0000

123.2409,
146.8048, 126.0775

■ 0.0000, 0.0000,
0.0000

154.8414,

182.8086, 159.7473

191.4288,
224.2646, 198.9339

■ 17.9009, 23.7506,
16.4728

■ 17.9009, 23.7506,
16.4728

■ 15.7613, 22.7231,
12.9942

■ 20.4439, 24.9738,
20.5906

■ 14.0027, 21.8782,
10.1213

■ 23.4076, 26.3987,
25.3756

■ 12.6032, 21.2063,
7.8199

■ 26.8105, 28.0352,
30.8562

■ 11.5382, 20.6953,
6.0518

■ 30.6694, 29.8913,
37.0587

■ 10.7797, 20.3317,
4.7743

■ 35.0004, 31.9746,
44.0079

■ 10.2953, 20.1000,
3.9380

■ 39.8185, 34.2926,
51.7275

■ 10.0140, 19.9653,
3.4580

■ 45.1385, 36.8523,
60.2402

■ 9.9926, 19.9550,
3.4236

■ 50.9741, 39.6602,
69.5677

■ 57.3387, 42.7230,
79.7308

Harmonies

Analogous

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



20.1901, 23.7506, 12.5629



17.9009, 23.7506, 16.4728



16.8797, 23.7506, 23.7577

Triad

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



17.9009, 23.7506, 16.4728



21.8276, 23.7506, 48.2264



28.8781, 23.7506, 19.4040

Complementary

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



17.9009, 23.7506, 16.4728



21.2117, 17.4156, 28.2310

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.



29.4240, 23.7506, 28.0835



17.9009, 23.7506, 16.4728



25.1390, 23.7506, 46.2561

Square

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



17.9009, 23.7506, 16.4728



19.0003, 23.7506, 43.1424



27.9974, 23.7506, 38.2709



26.5703, 23.7506, 13.9471

Rectangle

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



17.9009, 23.7506, 16.4728



16.9778, 23.7506, 30.1746



27.9974, 23.7506, 38.2709



29.2823, 23.7506, 21.9783

Sweetspot

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



17.9015, 23.7516, 16.4733



41.2743, 46.5545, 44.7396



23.7523, 26.7736, 16.4864



9.2963, 10.5948, 9.9876



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.



17.9015, 23.7516, 16.4733



29.0224, 40.6646, 24.9111



19.0725, 24.2200, 22.6398



5.3478, 6.0313, 5.7972



8.7026, 17.3769, 2.9879



0.0840, 0.1665, 0.0329

Inverse Universe

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



21.2117, 17.4156, 28.2310



35.8377, 27.6178, 49.1182



19.7851, 16.8450, 20.7191



5.6208, 5.5088, 6.7670



14.1758, 6.8273, 22.3749



0.1367, 0.0657, 0.2199

Previews

White Background



This preview shows how the XYZ color 17.9009, 23.7506, 16.4728 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 17.9009, 23.7506, 16.4728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

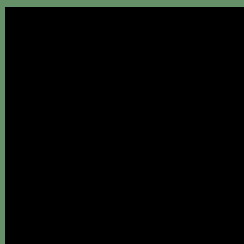
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

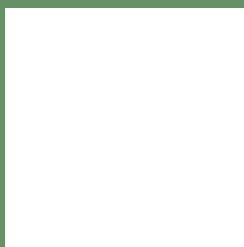
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.9009, 23.7506, 16.4728

Background



This preview shows how black text looks on a background with the XYZ color 17.9009, 23.7506, 16.4728.



This preview shows how white text looks on a background with the XYZ color 17.9009, 23.7506,

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

17.9009, 23.7506, 16.4728

Protanopia

21.9198, 23.4965, 14.9353

Deuteranopia

23.8383, 23.4475, 16.9051



Tritanopia

20.9437, 23.6619, 31.8971

Trichromacy



Original Color

17.9009, 23.7506, 16.4728

Protanomaly

20.1480, 23.4006, 15.5114

Deuteranomaly

21.2282, 23.3044, 16.7439

Tritanomaly

19.6063, 23.5479, 25.3416

Monochromacy



Original Color

17.9009, 23.7506, 16.4728

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.1288, 21.9346, 20.3652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9009, 23.7506, 16.4728 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(102, 144, 103)` looks like.

```
.text, #text, p{  
    color:rgb(102, 144, 103)  
}
```

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(102, 144, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 144, 103) }
```

Border

The CSS property to change the border of an element to XYZ 17.9009, 23.7506, 16.4728 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(102, 144, 103) }
```


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

```
.border{ border-color:rgb(102, 144, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 144, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 144, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 144, 103);  
box-shadow:4px 4px 4px 4px rgb(102, 144,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9009, 23.7506, 16.4728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 144, 103) }
```

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

```
.background{ background-color: rgb(102,  
144, 103) }
```

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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