

Converting Colors

XYZ(16.6417, 23.9844, 20.9177)

Have a look what the booklet for
XYZ(16.6417, 23.9844, 20.9177)
contains.

XYZ(16.6076, 23.9043, 20.8782)	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(16.6076, 23.9043,
20.8782)**

Conversions

Conversions Part 1

Format	Color
Hex	499476
RGB	73, 148, 118
RGB Percent	29%, 58%, 46%
CMY	0.7137, 0.4196, 0.5373
CMYK	0.51, 0.00, 0.20, 0.42
HSL	156°, 34%, 43%
HSV	156°, 51%, 58%
XYZ	16.6076, 23.9043, 20.8782
YIQ	122.1550, -35.0700, -25.2300

Conversions

Conversions Part 2

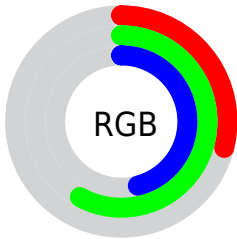
Format	Color
R_{YB}	73, 120, 148
Decimal	4822134
CIE _{Lab}	55.99, -30.78, 8.79
CIE _{LCh}	56, 32.013, 164.055
Y _{xy}	23.9043, 0.2705, 0.3894
Android (android.graphics.Color)	4283012214 (0xFF499476)
YUV	122.1550, -2.0484, -43.1089
Hunter-Lab	48.8920, -24.9283, 8.9060

Details

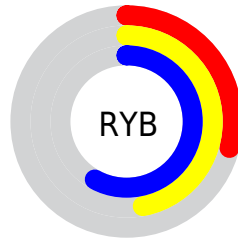
The XYZ color **16.6076, 23.9043, 20.8782** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.0443, 12.0409, 14.2588**, and the grayscale version is **18.5646, 19.5314, 21.2697**.

A 20% lighter version of the original color is **37.3640, 50.1262, 45.7362**, and **5.5318, 9.0697, 7.2534** is the 20% darker color. If you saturate the color by 10%, you get **15.2762, 23.2579, 19.0369**, and if you desaturate by 10%, it is **18.2293, 24.6990, 22.8494**.

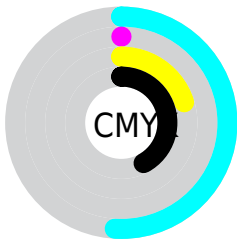
Distribution



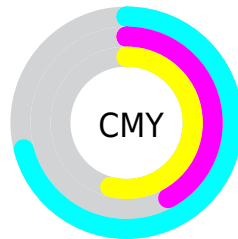
- Red (29%)
- Green (58%)
- Blue (46%)



- Red (29%)
- Yellow (47%)
- Blue (58%)



- Cyan (51%)
- Magenta (0%)
- Yellow (20%)
- Black (42%)



- Cyan (71%)
- Magenta (42%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6076, 23.9043, 20.8782 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 16.6076, 23.9043, 20.8782 by changing the saturation by 10% instead.

■ 16.6076, 23.9043,
20.8782

■ 16.6076, 23.9043,
20.8782

226.1014,
272.3363, 269.3902

■ 10.0487, 15.2626,
12.8446

■ 37.1989, 49.8740,
45.7629

■ 5.4938, 9.0039,
7.1922

■ 51.9619, 67.9708,
63.4511

■ 2.5775, 4.7437,
3.5023

■ 70.1904, 89.9881,
85.1946

■ 0.9345, 2.0977,
1.3565

■ 92.2496, 116.3104,
111.4119

■ 0.0000, 0.6633,
0.1074

■ 118.5050,
147.3219, 142.5216

■ 0.0000, 0.0000,
0.0000

149.3218,

183.4072, 178.9422

185.0655,
224.9505, 221.0922

■ 16.6076, 23.9043,
20.8782

■ 16.6076, 23.9043,
20.8782

■ 15.2762, 23.2579,
19.0369

■ 18.2293, 24.6990,
22.8494

■ 14.2134, 22.7469,
17.3209

■ 20.1571, 25.6483,
24.9517

■ 13.3977, 22.3609,
15.7275

■ 22.4078, 26.7614,
27.1885

■ 12.8031, 22.0864,
14.2533

■ 24.9966, 28.0461,
29.5624

■ 12.3851, 21.8986,
12.9811

■ 27.9376, 29.5096,
32.0760

■ 31.2440, 31.1588,
34.7317

■ 34.9284, 33.0000,
37.5319

■ 39.0028, 35.0395,
40.4790

■ 43.4787, 37.2830,
43.5752

Harmonies

Analogous

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



18.1731, 23.9043, 14.0717



16.6076, 23.9043, 20.8782



16.5589, 23.9043, 31.2312

Triad

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



16.6076, 23.9043, 20.8782



24.4712, 23.9043, 50.8584



28.1578, 23.9043, 14.3856

Complementary

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



16.6076, 23.9043, 20.8782



17.0443, 12.0409, 14.2588

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.



30.2470, 23.9043, 21.4369



16.6076, 23.9043, 20.8782



27.9690, 23.9043, 43.3489

Square

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



16.6076, 23.9043, 20.8782



20.8429, 23.9043, 50.5902



30.1744, 23.9043, 31.9612



24.7073, 23.9043, 11.0691

Rectangle

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



16.6076, 23.9043, 20.8782



17.3783, 23.9043, 39.0123



30.1744, 23.9043, 31.9612



29.0582, 23.9043, 16.3007

Sweetspot

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



16.6083, 23.9053, 20.8787



41.9154, 48.3973, 50.1921



17.5313, 24.6199, 10.1319



9.3703, 10.9498, 11.2753



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.6083, 23.9053, 20.8787



26.6336, 40.8815, 33.1069



17.7296, 22.8273, 31.4898



5.8669, 6.5233, 6.9098



10.5921, 18.7096, 11.1595



0.1442, 0.2348, 0.2135

Inverse Universe

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



17.0443, 12.0409, 14.2588



27.5038, 17.4719, 20.0939



16.2301, 12.4057, 7.8429



5.8912, 5.8515, 6.5331



11.1232, 5.6543, 4.1299



0.1500, 0.0748, 0.1237

Previews

White Background



This preview shows how the XYZ color 16.6076, 23.9043, 20.8782 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 16.6076, 23.9043, 20.8782 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 16.6076, 23.9043, 20.8782

Background



This preview shows how black text looks on a background with the XYZ color 16.6076, 23.9043, 20.8782.



This preview shows how white text looks on a background with the XYZ color 16.6076, 23.9043,

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

16.6076, 23.9043, 20.8782

Protanopia

22.2413, 23.5855, 18.4191

Deuteranopia

23.9408, 23.5897, 21.7038



Tritanopia

19.3061, 23.8505, 34.5964

Trichromacy



Original Color

16.6076, 23.9043, 20.8782

Protanomaly

19.3282, 23.1049, 19.3606

Deuteranomaly

20.2814, 23.1264, 21.4841

Tritanomaly

18.2323, 23.8661, 29.2368

Monochromacy



Original Color

16.6076, 23.9043, 20.8782

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.2764, 20.5561, 21.1463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6076, 23.9043, 20.8782 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(73, 148, 118)` looks like.

```
.text, #text, p{  
    color:rgb(73, 148, 118)  
}
```

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(73, 148, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 148, 118) }
```

Border

The CSS property to change the border of an element to XYZ 16.6076, 23.9043, 20.8782 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(73, 148, 118) }
```


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

```
.border{ border-color:rgb(73, 148, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 148, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 148, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 148, 118);  
box-shadow:4px 4px 4px 4px rgb(73, 148,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6076, 23.9043, 20.8782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 148, 118) }
```

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

```
.background{ background-color: rgb(73, 148,  
118) }
```

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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