

Converting Colors

XYZ(16.3677, 23.9780, 11.9492)

Have a look what the booklet for
XYZ(16.3677, 23.9780, 11.9492)
contains.

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Color

**XYZ(16.3677, 23.9780,
11.9492)**

Conversions

Conversions Part 1

Format	Color
Hex	5A9453
RGB	90, 148, 83
RGB Percent	35%, 58%, 33%
CMY	0.6471, 0.4196, 0.6745
CMYK	0.39, 0.00, 0.44, 0.42
HSL	114°, 28%, 45%
HSV	114°, 44%, 58%
XYZ	16.3677, 23.9780, 11.9492
YIQ	123.2480, -13.7030, -32.5110

Conversions

Conversions Part 2

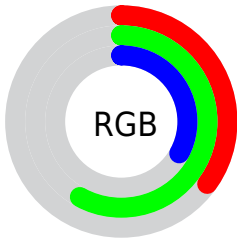
Format	Color
R_{YB}	83, 148, 141
Decimal	5936211
CIE _{Lab}	56.07, -32.45, 28.50
CIE _{LCh}	56, 43.189, 138.712
Yxy	23.9780, 0.3130, 0.4585
Android (android.graphics.Color)	4284126291 (0xFF5A9453)
YUV	123.2480, -19.8423, -29.1585
Hunter-Lab	48.9673, -26.0279, 19.8090

Details

The XYZ color **16.3677, 23.9780, 11.9492** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.4242, 13.9881, 29.6944**, and the grayscale version is **18.9759, 19.9642, 21.7410**.

A 20% lighter version of the original color is **36.6819, 49.7742, 29.8643**, and **5.3925, 9.0888, 3.1392** is the 20% darker color. If you saturate the color by 10%, you get **14.6839, 23.1698, 9.1995**, and if you desaturate by 10%, it is **18.4030, 24.9547, 15.3532**.

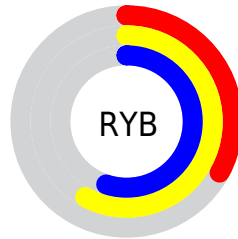
Distribution



Red (35%)

Green (58%)

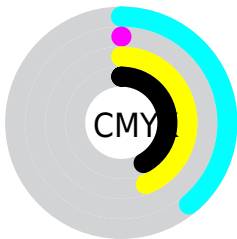
Blue (33%)



Red (33%)

Yellow (58%)

Blue (55%)

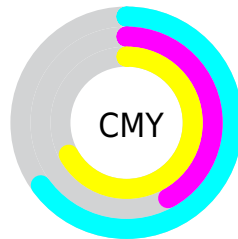


Cyan (39%)

Magenta (0%)

Yellow (44%)

Black (42%)



Cyan (65%)

Magenta (42%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3677, 23.9780, 11.9492 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 16.3677, 23.9780, 11.9492 by changing the saturation by 10% instead.

■ 16.3677, 23.9780,
11.9492

■ 16.3677, 23.9780,
11.9492

224.7298,
272.7092, 215.0347

■ 9.8772, 15.3173,
6.5870

■ 36.7877, 49.9943,
30.0656

■ 5.3793, 9.0424,
3.1307

■ 51.4479, 68.1187,
43.6568

■ 2.5085, 4.7688,
1.1617

■ 69.5621, 90.1664,
60.8281

■ 0.8995, 2.1123,
0.0000

■ 91.4956, 116.5219,
81.9980

■ 0.0000, 0.6715,
0.0000

■ 117.6137,
147.5695, 107.5851

■ 0.0000, 0.0000,
0.0000

148.2819,

183.6937, 138.0078

183.8655,
225.2788, 173.6849

■ 16.3677, 23.9780,
11.9492

■ 16.3677, 23.9780,
11.9492

■ 14.6839, 23.1698,
9.1995

■ 18.4030, 24.9547,
15.3532

■ 13.3299, 22.5177,
7.0606

■ 20.8063, 26.1055,
19.4480

■ 12.2842, 22.0124,
5.4864


■ 23.5953, 27.4395,
24.2694


■ 11.5224, 21.6424,
4.4234


■ 26.7860, 28.9641,
29.8501


■ 11.0156, 21.3943,
3.8074


■ 30.3935, 30.6866,
36.2211

 10.8030, 21.2904,
3.5401

 34.4319, 32.6135,
43.4113

 38.9151, 34.7514,
51.4485

 43.8559, 37.1064,
60.3589

 49.2669, 39.6843,
70.1678

Harmonies

Analogous

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



19.8747, 23.9780, 7.8799



16.3677, 23.9780, 11.9492



14.6815, 23.9780, 21.1335

Triad

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



16.3677, 23.9780, 11.9492



20.9799, 23.9780, 62.9405



33.0316, 23.9780, 18.3116

Complementary

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



16.3677, 23.9780, 11.9492



19.4242, 13.9881, 29.6944

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.



33.4414, 23.9780, 31.8075



16.3677, 23.9780, 11.9492



25.9782, 23.9780, 61.3141

Square

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



16.3677, 23.9780, 11.9492



17.0758, 23.9780, 52.3729



30.7055, 23.9780, 48.5069



29.6559, 23.9780, 10.5290

Rectangle

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



16.3677, 23.9780, 11.9492



14.6262, 23.9780, 30.4528



30.7055, 23.9780, 48.5069



33.5373, 23.9780, 22.1974

Sweetspot

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



16.3683, 23.9790, 11.9497



41.9799, 48.5803, 43.4274



23.2142, 25.7998, 11.9404



9.3386, 10.9729, 9.4885



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.



16.3683, 23.9790, 11.9497



25.8706, 40.8622, 16.1715



16.8603, 24.1008, 17.9281



5.7842, 6.4966, 6.1896



9.2397, 18.1911, 3.0243



0.1245, 0.2285, 0.0375

Inverse Universe

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



19.4242, 13.9881, 29.6944



31.9790, 20.8097, 51.7658



18.8872, 13.9152, 20.4576



5.9745, 5.8778, 7.2894



12.7161, 6.0280, 24.4243



0.1698, 0.0811, 0.2996

Previews

White Background



This preview shows how the XYZ color 16.3677, 23.9780, 11.9492 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 16.3677, 23.9780, 11.9492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

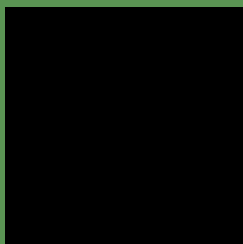
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.3677, 23.9780, 11.9492

Background



This preview shows how black text looks on a background with the XYZ color 16.3677, 23.9780, 11.9492.



This preview shows how white text looks on a background with the XYZ color 16.3677, 23.9780,

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

16.3677, 23.9780, 11.9492

Protanopia

21.9329, 23.8033, 10.6462

Deuteranopia

24.1786, 23.7200, 12.5366



Tritanopia

20.5575, 23.8741, 32.8028

Trichromacy



Original Color

16.3677, 23.9780, 11.9492

Protanomaly

19.2848, 23.4800, 11.1051

Deuteranomaly

20.3354, 23.1507, 12.2008

Tritanomaly

18.6254, 23.7479, 23.3408

Monochromacy



Original Color

16.3677, 23.9780, 11.9492

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.5136, 20.9647, 17.3109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3677, 23.9780, 11.9492 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(90, 148, 83)` looks like.

```
.text, #text, p{  
    color:rgb(90, 148, 83)  
}
```

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(90, 148, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 148, 83) }
```

Border

The CSS property to change the border of an element to XYZ 16.3677, 23.9780, 11.9492 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(90, 148, 83) }
```


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

```
.border{ border-color:rgb(90, 148, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 148, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 148, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 148, 83);  
box-shadow:4px 4px 4px 4px rgb(90, 148,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3677, 23.9780, 11.9492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 148, 83) }
```

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

```
.background{ background-color: rgb(90, 148,  
83) }
```

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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