

Converting Colors

XYZ(16.3018, 24.4648, 10.6185)

Have a look what the booklet for
XYZ(16.3018, 24.4648, 10.6185)
contains.

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Color

**XYZ(16.3307, 24.4583,
10.6977)**

Conversions

Conversions Part 1

Format	Color
Hex	59964C
RGB	89, 150, 76
RGB Percent	35%, 59%, 30%
CMY	0.6510, 0.4118, 0.7020
CMYK	0.41, 0.00, 0.49, 0.41
HSL	109°, 33%, 44%
HSV	109°, 49%, 59%
XYZ	16.3307, 24.4583, 10.6977
YIQ	123.3250, -12.6020, -35.9460

Conversions

Conversions Part 2

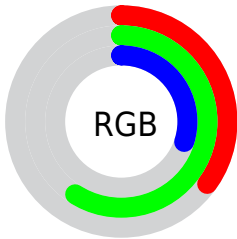
Format	Color
RYB	76, 150, 137
Decimal	5871180
CIELab	56.54, -34.72, 32.79
CIElCh	57, 47.757, 136.641
Yxy	24.4583, 0.3172, 0.4750
Android (android.graphics.Color)	4284061260 (0xFF59964C)
YUV	123.3250, -23.3312, -30.1030
Hunter-Lab	49.4553, -27.6042, 21.7937

Details

The XYZ color **16.3307, 24.4583, 10.6977** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.4070, 12.6900, 30.3346**, and the grayscale version is **19.0124, 20.0025, 21.7828**.

A 20% lighter version of the original color is **36.7525, 50.9198, 27.6301**, and **5.3990, 9.3826, 2.6251** is the 20% darker color. If you saturate the color by 10%, you get **14.7804, 23.7132, 8.2132**, and if you desaturate by 10%, it is **18.2032, 25.3569, 13.8330**.

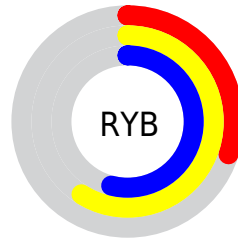
Distribution



Red (35%)

Green (59%)

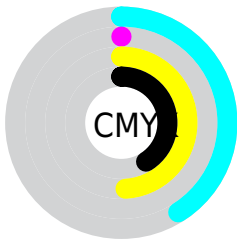
Blue (30%)



Red (30%)

Yellow (59%)

Blue (54%)

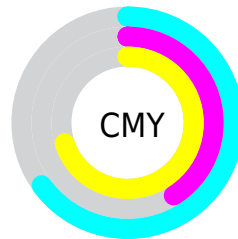


Cyan (41%)

Magenta (0%)

Yellow (49%)

Black (41%)



Cyan (65%)

Magenta (41%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3307, 24.4583, 10.6977 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 16.3307, 24.4583, 10.6977 by changing the saturation by 10% instead.

■ 16.3307, 24.4583,
10.6977

■ 16.3307, 24.4583,
10.6977

224.5175,
275.1294, 206.2441

■ 9.8508, 15.6739,
5.7523

■ 36.7242, 50.7771,
27.7278

■ 5.3616, 9.2937,
2.6287

■ 51.3685, 69.0802,
40.6497

■ 2.4979, 4.9333,
0.9072

■ 69.4650, 91.3251,
57.0675

■ 0.8942, 2.2082,
0.0000

■ 91.3790, 117.8962,
77.3997

■ 0.0000, 0.7244,
0.0000

■ 117.4759,
149.1777, 102.0650

■ 0.0000, 0.0000,
0.0000

148.1211,

185.5542, 131.4818

183.6798,
227.4099, 166.0686

■ 16.3307, 24.4583,
10.6977

■ 16.3307, 24.4583,
10.6977

■ 14.7804, 23.7132,
8.2132

■ 18.2032, 25.3569,
13.8330

■ 13.5319, 23.1100,
6.3324

■ 20.4130, 26.4137,
17.6589

■ 12.5654, 22.6401,
5.0041


■ 22.9767, 27.6372,
22.2136


■ 11.8576, 22.2930,
4.1683


■ 25.9089, 29.0341,
27.5324

■ 11.3689, 22.0512,
3.6858


■ 29.2236, 30.6109,
33.6479

 11.3418, 22.0379,
3.6560

 32.9339, 32.3739,
40.5912

 37.0526, 34.3287,
48.3915

 41.5914, 36.4810,
57.0766

 46.5620, 38.8362,
66.6732

Harmonies

Analogous

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



20.3281, 24.4583, 6.7920



16.3307, 24.4583, 10.6977



14.3473, 24.4583, 20.1861

Triad

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



16.3307, 24.4583, 10.6977



20.8716, 24.4583, 68.7017



35.0185, 24.4583, 18.8156

Complementary

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



16.3307, 24.4583, 10.6977



18.4070, 12.6900, 30.3346

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.



35.2264, 24.4583, 34.3194



16.3307, 24.4583, 10.6977



26.4325, 24.4583, 67.8548

Square

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



16.3307, 24.4583, 10.6977



16.6739, 24.4583, 55.5370



31.8830, 24.4583, 53.5451



31.3535, 24.4583, 10.0392

Rectangle

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



16.3307, 24.4583, 10.6977



14.1907, 24.4583, 30.3167



31.8830, 24.4583, 53.5451



35.5131, 24.4583, 23.2567

Sweetspot

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



16.3313, 24.4593, 10.6982



42.5565, 49.7292, 42.8243



22.7485, 24.7375, 10.4137



9.2187, 10.9194, 9.1066



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.



16.3313, 24.4593, 10.6982



25.8804, 41.7492, 14.1792



16.1605, 24.2594, 15.7447



5.8190, 6.5145, 6.1912



9.4267, 18.2875, 3.0330



0.1331, 0.2330, 0.0380

Inverse Universe

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



18.4070, 12.6900, 30.3346



29.9364, 18.5103, 52.9163



18.9655, 13.1746, 21.4752



5.9364, 5.8582, 7.2876



11.4419, 5.3711, 24.3647



0.1611, 0.0766, 0.2992

Previews

White Background



This preview shows how the XYZ color 16.3307, 24.4583, 10.6977 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 16.3307, 24.4583, 10.6977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

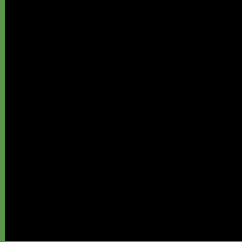
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.3307, 24.4583, 10.6977

Background



This preview shows how black text looks on a background with the XYZ color 16.3307, 24.4583, 10.6977.



This preview shows how white text looks on a background with the XYZ color 16.3307, 24.4583,

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

16.3307, 24.4583, 10.6977

Protanopia

22.1957, 24.1724, 9.4571

Deuteranopia

24.6453, 24.1871, 11.1542



Tritanopia

20.8682, 24.2332, 33.7146

Trichromacy



Original Color

16.3307, 24.4583, 10.6977

Protanomaly

19.3331, 23.7492, 9.8684

Deuteranomaly

20.6735, 23.7742, 10.8964

Tritanomaly

18.7119, 24.0239, 23.0529

Monochromacy



Original Color

16.3307, 24.4583, 10.6977

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.5446, 21.1952, 16.8020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3307, 24.4583, 10.6977 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(89, 150, 76)` looks like.

```
.text, #text, p{  
    color:rgb(89, 150, 76)  
}
```

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(89, 150, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 150, 76) }
```

Border

The CSS property to change the border of an element to XYZ 16.3307, 24.4583, 10.6977 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(89, 150, 76) }
```


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

```
.border{ border-color:rgb(89, 150, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 150, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 150, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 150, 76);  
box-shadow:4px 4px 4px 4px rgb(89, 150,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3307, 24.4583, 10.6977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 150, 76) }
```

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

```
.background{ background-color: rgb(89, 150,  
76) }
```

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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