

Converting Colors

XYZ(16.0471, 24.6824, 10.7009)

Have a look what the booklet for
XYZ(16.0471, 24.6824, 10.7009)
contains.

XYZ(16.1000, 24.8173, 10.7791)	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(16.1000, 24.8173,
10.7791)**

Conversions

Conversions Part 1

Format	Color
Hex	53984C
RGB	83, 152, 76
RGB Percent	33%, 60%, 30%
CMY	0.6745, 0.4039, 0.7020
CMYK	0.45, 0.00, 0.50, 0.40
HSL	114°, 33%, 45%
HSV	114°, 50%, 60%
XYZ	16.1000, 24.8173, 10.7791
YIQ	122.7050, -16.7280, -38.2640

Conversions

Conversions Part 2

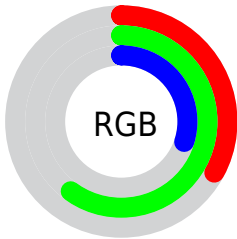
Format	Color
RYB	76, 152, 145
Decimal	5478476
CIELab	56.90, -37.56, 33.16
CIELCh	57, 50.106, 138.557
Yxy	24.8173, 0.3114, 0.4801
Android (android.graphics.Color)	4283668556 (0xFF53984C)
YUV	122.7050, -23.0256, -34.8213
Hunter-Lab	49.8170, -29.4915, 22.0431

Details

The XYZ color **16.1000, 24.8173, 10.7791** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **19.9303, 13.4565, 31.2541**, and the grayscale version is **18.8074, 19.7869, 21.5479**.

A 20% lighter version of the original color is **36.3952, 51.4504, 27.7513**, and **5.2188, 9.4312, 2.6440** is the 20% darker color. If you saturate the color by 10%, you get **14.5341, 24.0648, 8.2659**, and if you desaturate by 10%, it is **18.0344, 25.7468, 13.9624**.

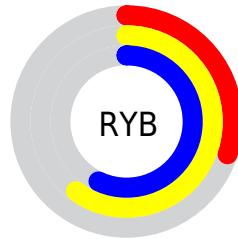
Distribution



Red (33%)

Green (60%)

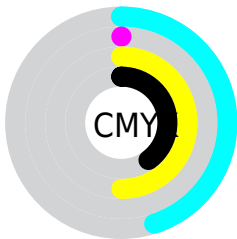
Blue (30%)



Red (30%)

Yellow (60%)

Blue (57%)

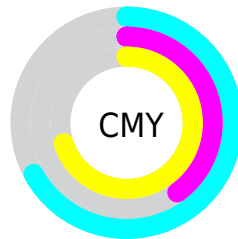


Cyan (45%)

Magenta (0%)

Yellow (50%)

Black (40%)



Cyan (67%)

Magenta (40%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1000, 24.8173, 10.7791 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 16.1000, 24.8173, 10.7791 by changing the saturation by 10% instead.

■ 16.1000, 24.8173,
10.7791

■ 16.1000, 24.8173,
10.7791

223.1899,
276.9269, 206.8284

■ 9.6862, 15.9410,
5.8062

■ 36.3278, 51.3607,
27.8813

■ 5.2521, 9.4824,
2.6607

■ 50.8725, 69.7965,
40.8478

■ 2.4322, 5.0572,
0.9236

■ 68.8582, 92.1877,
57.3158

■ 0.8612, 2.2808,
0.0000

■ 90.6504, 118.9185,
77.7039

■ 0.0000, 0.7635,
0.0000

■ 116.6142,
150.3735, 102.4307

■ 0.0000, 0.0000,
0.0000

147.1152,

186.9369, 131.9147

182.5186,
228.9933, 166.5744

■ 16.1000, 24.8173,
10.7791

■ 16.1000, 24.8173,
10.7791

■ 14.5341, 24.0648,
8.2659

■ 18.0344, 25.7468,
13.9624

■ 13.3115, 23.4752,
6.3733

■ 20.3568, 26.8602,
17.8573

■ 12.4067, 23.0371,
5.0480


■ 23.0875, 28.1679,
22.5037

■ 11.7898, 22.7366,
4.2267


■ 26.2448, 29.6786,
27.9382


■ 11.4098, 22.5509,
3.7514


■ 29.8461, 31.4004,
34.1951

 11.4098, 22.5509,
3.7514

 33.9075, 33.3409,
41.3064

 38.4446, 35.5076,
49.3027

 43.4721, 37.9073,
58.2128

 49.0040, 40.5468,
68.0645

Harmonies

Analogous

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



20.1761, 24.8173, 6.5045



16.1000, 24.8173, 10.7791



14.1665, 24.8173, 21.1038

Triad

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



16.1000, 24.8173, 10.7791



21.4194, 24.8173, 72.6862



35.9846, 24.8173, 17.9866

Complementary

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



16.1000, 24.8173, 10.7791



19.9303, 13.4565, 31.2541

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.



36.4670, 24.8173, 33.9542



16.1000, 24.8173, 10.7791



27.3646, 24.8173, 70.6974

Square

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



16.1000, 24.8173, 10.7791



16.8797, 24.8173, 59.2086



33.0985, 24.8173, 54.5531



31.8731, 24.8173, 9.3145

Rectangle

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



16.1000, 24.8173, 10.7791



14.0964, 24.8173, 32.1212



33.0985, 24.8173, 54.5531



36.5991, 24.8173, 22.4929

Sweetspot

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



16.1006, 24.8183, 10.7797



43.2778, 50.9268, 44.0584



24.2885, 27.2664, 10.8206



9.5952, 11.4595, 9.5991



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.1006, 24.8183, 10.7797



25.3707, 42.3389, 14.1447



16.8319, 25.0431, 17.6923



6.1823, 6.9514, 6.6218



9.5794, 18.9142, 3.1459



0.1554, 0.2891, 0.0476

Inverse Universe

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



19.9303, 13.4565, 31.2541



32.8956, 19.9042, 54.5418



19.0223, 13.2402, 19.8366



6.4051, 6.2947, 7.8064



13.5546, 6.4387, 25.4361



0.2168, 0.1036, 0.3809

Previews

White Background



This preview shows how the XYZ color 16.1000, 24.8173, 10.7791 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 16.1000, 24.8173, 10.7791 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 16.1000, 24.8173, 10.7791

Background



This preview shows how black text looks on a background with the XYZ color 16.1000, 24.8173, 10.7791.



This preview shows how white text looks on a background with the XYZ color 16.1000, 24.8173,

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

16.1000, 24.8173, 10.7791

Protanopia

22.4873, 24.5345, 9.3448

Deuteranopia

25.0227, 24.5738, 11.4070



Tritanopia

20.8844, 24.6641, 34.6703

Trichromacy



Original Color

16.1000, 24.8173, 10.7791

Protanomaly

19.4469, 24.2495, 9.7866

Deuteranomaly

20.5281, 23.9070, 11.1220

Tritanomaly

18.5590, 24.3913, 23.4685

Monochromacy



Original Color

16.1000, 24.8173, 10.7791

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.3110, 21.2789, 16.8305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1000, 24.8173, 10.7791 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(83, 152, 76)` looks like.

```
.text, #text, p{  
    color:rgb(83, 152, 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(83, 152, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 152, 76) }
```

Border

The CSS property to change the border of an element to XYZ 16.1000, 24.8173, 10.7791 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(83, 152, 76) }
```


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

```
.border{ border-color:rgb(83, 152, 76) }
```

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

Here you see how a box with a 4 pixel rgb(83, 152, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 152, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 152, 76);  
box-shadow:4px 4px 4px 4px rgb(83, 152,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1000, 24.8173, 10.7791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 152, 76) }
```

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

```
.background{ background-color: rgb(83, 152,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor