

Converting Colors

XYZ(16.2692, 24.8133, 5.1036)

Have a look what the booklet for
XYZ(16.2692, 24.8133, 5.1036)
contains.

XYZ(16.2181, 24.7633, 5.0874)	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(16.2181, 24.7633,
5.0874)**

Conversions

Conversions Part 1

Format	Color
Hex	61971D
RGB	97, 151, 29
RGB Percent	38%, 59%, 11%
CMY	0.6196, 0.4078, 0.8863
CMYK	0.36, 0.00, 0.81, 0.41
HSL	87°, 68%, 35%
HSV	87°, 81%, 59%
XYZ	16.2181, 24.7633, 5.0874
YIQ	120.9460, 6.9780, -49.3900

Conversions

Conversions Part 2

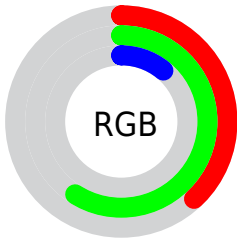
Format	Color
R_{YB}	29, 151, 83
Decimal	6395677
CIE Lab	56.84, -36.66, 53.56
CIE LCh	57, 64.902, 124.389
Yxy	24.7633, 0.3520, 0.5375
Android (android.graphics.Color)	4284585757 (0xFF61971D)
YUV	120.9460, -45.3294, -21.0006
Hunter-Lab	49.7627, -28.9101, 28.7725

Details

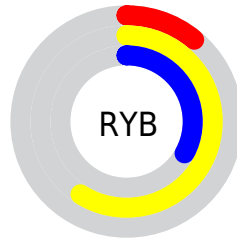
The XYZ color **16.2181, 24.7633, 5.0874** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.5938, 4.9529, 29.7299**, and the grayscale version is **18.2975, 19.2504, 20.9637**.

A 20% lighter version of the original color is **36.6204, 51.4581, 16.3898**, and **5.5120, 9.6066, 1.5637** is the 20% darker color. If you saturate the color by 10%, you get **15.3929, 24.3552, 4.3018**, and if you desaturate by 10%, it is **17.1960, 25.2411, 6.3590**.

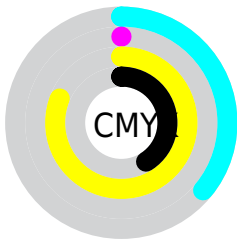
Distribution



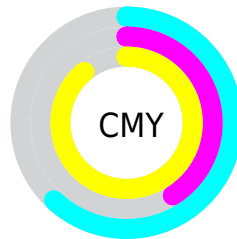
- Red (38%)
- Green (59%)
- Blue (11%)



- Red (11%)
- Yellow (59%)
- Blue (33%)



- Cyan (36%)
- Magenta (0%)
- Yellow (81%)
- Black (41%)



- Cyan (62%)
- Magenta (41%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2181, 24.7633, 5.0874 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 16.2181, 24.7633, 5.0874 by changing the saturation by 10% instead.

■ 16.2181, 24.7633,
5.0874

■ 16.2181, 24.7633,
5.0874

223.8704,
276.6571, 159.6379

■ 9.7704, 15.9008,
2.2390

■ 36.5308, 51.2730,
16.4487

■ 5.3081, 9.4540,
0.6967

■ 51.1266, 69.6889,
25.7988

■ 2.4658, 5.0385,
0.0000

■ 69.1691, 92.0581,
38.1531

■ 0.8780, 2.2698,
0.0000

■ 91.0237, 118.7650,
53.9302

■ 0.0000, 0.7577,
0.0000

■ 117.0558,
150.1940, 73.5487

■ 0.0000, 0.0000,
0.0000

■ 147.6307,

186.7294, 97.4272

183.1138,
228.7556, 125.9840

■ 16.2181, 24.7633,
5.0874

■ 16.2181, 24.7633,
5.0874

■ 15.3929, 24.3552,
4.3018

■ 17.1960, 25.2411,
6.3590

■ 14.7376, 24.0265,
3.8608

■ 18.3382, 25.7909,
8.1774

■ 19.6567, 26.4184,
10.5961

■ 21.1616, 27.1279,
13.6619

■ 22.8623, 27.9233,
17.4169

■ 24.7674, 28.8081,
21.8998

■ 26.8847, 29.7857,
27.1462

■ 29.2219, 30.8592,
33.1895

■ 31.7859, 32.0316,
40.0610

Harmonies

Analogous

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



22.4374, 24.7633, 3.0714



16.2181, 24.7633, 5.0874



12.6761, 24.7633, 12.6299

Triad

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



16.2181, 24.7633, 5.0874



17.7746, 24.7633, 84.9497



41.2948, 24.7633, 23.8890

Complementary

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



16.2181, 24.7633, 5.0874



9.5938, 4.9529, 29.7299

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.



39.3039, 24.7633, 49.3683



16.2181, 24.7633, 5.0874



24.6715, 24.7633, 93.8035

Square

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



16.2181, 24.7633, 5.0874



13.4299, 24.7633, 58.1335



32.7803, 24.7633, 78.2587



37.7527, 24.7633, 9.5743

Rectangle

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



16.2181, 24.7633, 5.0874



11.7944, 24.7633, 23.0790



32.7803, 24.7633, 78.2587



41.2554, 24.7633, 31.2600

Sweetspot

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



16.2187, 24.7644, 5.0879



43.0512, 50.9858, 36.1007



15.9925, 12.6835, 2.7680



9.5304, 11.4701, 7.6074



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.



16.2187, 24.7644, 5.0879



26.5385, 43.0982, 7.0892



12.0569, 22.6189, 4.8932



6.4448, 7.0868, 6.6340



12.5702, 20.4561, 3.2859



0.2297, 0.3274, 0.0511

Inverse Universe

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



9.5938, 4.9529, 29.7299



14.3036, 6.3131, 52.8983



17.3309, 8.9415, 30.0920



6.1310, 6.1534, 7.7936



6.7439, 2.9277, 25.1174



0.1417, 0.0648, 0.3774

Previews

White Background



This preview shows how the XYZ color 16.2181, 24.7633, 5.0874 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 16.2181, 24.7633, 5.0874 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 16.2181, 24.7633, 5.0874

Background



This preview shows how black text looks on a background with the XYZ color 16.2181, 24.7633, 5.0874.



This preview shows how white text looks on a background with the XYZ color 16.2181, 24.7633,

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

16.2181, 24.7633, 5.0874

Protanopia

22.1165, 24.4508, 4.4735

Deuteranopia

24.8108, 24.3998, 5.4094



Tritanopia

22.0024, 24.8275, 33.3383

Trichromacy



Original Color

16.2181, 24.7633, 5.0874

Protanomaly

19.3842, 24.1109, 4.6095

Deuteranomaly

20.5918, 23.8583, 5.1889

Tritanomaly

18.8426, 24.4381, 17.6338

Monochromacy



Original Color

16.2181, 24.7633, 5.0874

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.6948, 20.6519, 12.3388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2181, 24.7633, 5.0874 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(97, 151, 29)` looks like.

```
.text, #text, p{  
    color:rgb(97, 151, 29)  
}
```

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(97, 151, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 151, 29) }
```

Border

The CSS property to change the border of an element to XYZ 16.2181, 24.7633, 5.0874 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(97, 151, 29) }
```


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

```
.border{ border-color:rgb(97, 151, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 151, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 151, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 151, 29);  
box-shadow:4px 4px 4px 4px rgb(97, 151,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2181, 24.7633, 5.0874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 151, 29) }
```

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

```
.background{ background-color: rgb(97, 151,  
29) }
```

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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