

Converting Colors

XYZ(15.7770, 16.8370, 24.8299)

Have a look what the booklet for
XYZ(15.7770, 16.8370, 24.8299)
contains.

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Color

**XYZ(15.8040, 16.9213,
24.9874)**

Conversions

Conversions Part 1

Format	Color
Hex	647486
RGB	100, 116, 134
RGB Percent	39%, 45%, 53%
CMY	0.6078, 0.5451, 0.4745
CMYK	0.25, 0.13, 0.00, 0.47
HSL	212°, 15%, 46%
HSV	212°, 25%, 53%
XYZ	15.8040, 16.9213, 24.9874
YIQ	113.2680, -15.3140, 2.2060

Conversions

Conversions Part 2

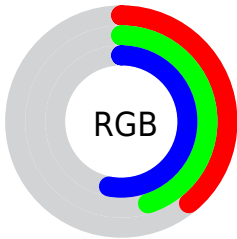
Format	Color
R_{YB}	100, 111, 134
Decimal	6583430
CIE Lab	48.16, -1.61, -11.83
CIE LCh	48, 11.935, 262.249
Yxy	16.9213, 0.2738, 0.2932
Android (android.graphics.Color)	4284773510 (0xFF647486)
YUV	113.2680, 10.2209, -11.6360
Hunter-Lab	41.1355, -3.4086, -7.2203

Details

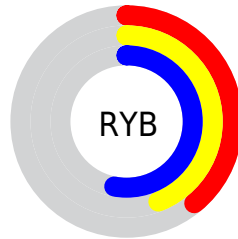
The XYZ color **15.8040, 16.9213, 24.9874** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.6105, 18.9455, 14.7331**, and the grayscale version is **15.7498, 16.5701, 18.0448**.

A 20% lighter version of the original color is **35.7348, 38.1724, 52.4983**, and **5.0835, 5.5044, 9.1820** is the 20% darker color. If you saturate the color by 10%, you get **13.6554, 14.6461, 24.6618**, and if you desaturate by 10%, it is **18.2599, 19.4484, 25.3460**.

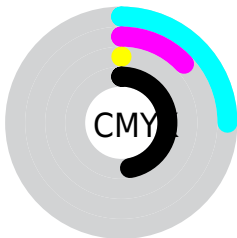
Distribution



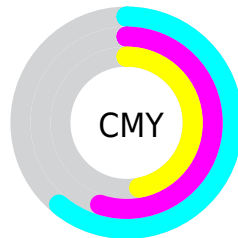
- Red (39%)
- Green (45%)
- Blue (53%)



- Red (39%)
- Yellow (44%)
- Blue (53%)



- Cyan (25%)
- Magenta (13%)
- Yellow (0%)
- Black (47%)



- Cyan (61%)
- Magenta (55%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8040, 16.9213, 24.9874 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 15.8040, 16.9213, 24.9874 by changing the saturation by 10% instead.

■ 15.8040, 16.9213,
24.9874

■ 15.8040, 16.9213,
24.9874

221.4756,
234.7184, 291.2209

■ 9.4755, 10.1784,
15.8487

■ 35.8178, 38.1904,
52.6006

■ 5.1122, 5.5174,
9.2640

■ 50.2339, 53.4854,
71.9123

■ 2.3487, 2.5539,
4.8146

■ 68.0765, 72.3999,
95.4521

■ 0.8194, 0.9036,
2.0821

■ 89.7110, 95.3183,
123.6384

■ 0.0000, 0.0000,
0.6051

115.5028,
122.6249, 156.8899

■ 0.0000, 0.0000,
0.0000

145.8173,

154.7042, 195.6252

181.0198,
191.9406, 240.2626

■ 15.8040, 16.9213,
24.9874

■ 15.8040, 16.9213,
24.9874

■ 13.6554, 14.6461,
24.6618

■ 18.2599, 19.4484,
25.3460

■ 11.7993, 12.6120,
24.3670

■ 21.0340, 22.2339,
25.7375

■ 10.2217, 10.8099,
24.1023

■ 24.1385, 25.2864,
26.1630

■ 8.9072, 9.2298,
23.8666

■ 27.5845, 28.6134,
26.6236

■ 7.8382, 7.8603,
23.6586

■ 31.3826, 32.2222,
27.1200

■ 6.9951, 6.6888,
23.4769

■ 35.5428, 36.1199,
27.6530

■ 6.3492, 5.6982,
23.3197

■ 40.0749, 40.3131,
28.2235

■ 6.0841, 5.2832,
23.2536

■ 44.9881, 44.8083,
28.8322

■ 50.2914, 49.6117,
29.4799

Harmonies

Analogous

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



14.8418, 16.9213, 23.5531



15.8040, 16.9213, 24.9874



16.8845, 16.9213, 24.5132

Triad

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



15.8040, 16.9213, 24.9874



18.0884, 16.9213, 16.2575



14.4924, 16.9213, 15.0094

Complementary

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



15.8040, 16.9213, 24.9874



18.6105, 18.9455, 14.7331

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.



15.3076, 16.9213, 13.4379



15.8040, 16.9213, 24.9874



17.3920, 16.9213, 14.1001

Square

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



15.8040, 16.9213, 24.9874



18.2359, 16.9213, 19.2404



16.3656, 16.9213, 13.1248



14.1070, 16.9213, 17.6318

Rectangle

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



15.8040, 16.9213, 24.9874



17.5242, 16.9213, 23.2005



16.3656, 16.9213, 13.1248



14.7234, 16.9213, 14.3534

Sweetspot

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



15.8045, 16.9220, 24.9878



35.6311, 37.7506, 45.1470



17.0253, 21.0576, 20.1724



7.8780, 8.3554, 10.1502



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.8045, 16.9220, 24.9878



25.7776, 27.6401, 43.7149



14.1791, 13.5778, 24.4280



4.6018, 4.8791, 5.9000



5.7122, 4.9723, 21.7954



0.0270, 0.0316, 0.0779

Inverse Universe

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



17.5415, 15.4441, 18.5801



29.3833, 24.7682, 30.3697



20.5671, 22.9925, 15.4111



4.7570, 4.7225, 5.3327



10.0614, 5.0889, 4.8956



0.0385, 0.0191, 0.0361

Previews

White Background



This preview shows how the XYZ color 15.8040, 16.9213, 24.9874 looks on a white 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

Black Background



This preview shows how the XYZ color 15.8040, 16.9213, 24.9874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

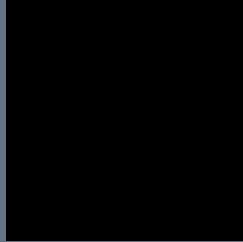
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

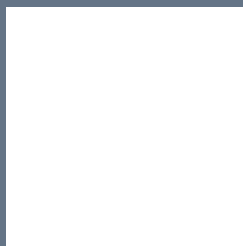
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8040, 16.9213, 24.9874

Background



This preview shows how black text looks on a background with the XYZ color 15.8040, 16.9213, 24.9874.



This preview shows how white text looks on a background with the XYZ color 15.8040, 16.9213,

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

15.8040, 16.9213, 24.9874

Protanopia

16.6255, 16.8557, 24.2070

Deuteranopia

17.1278, 16.7630, 25.2545



Tritanopia

15.2291, 16.8516, 22.5287

Trichromacy



Original Color

15.8040, 16.9213, 24.9874

Protanomaly

16.3144, 16.8539, 24.5836

Deuteranomaly

16.7087, 16.8745, 25.2981

Tritanomaly

15.5361, 16.9869, 23.5791

Monochromacy



Original Color

15.8040, 16.9213, 24.9874

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.6528, 16.6032, 20.4689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8040, 16.9213, 24.9874 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(100, 116, 134)` looks like.

```
.text, #text, p{  
    color:rgb(100, 116, 134)  
}
```

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(100, 116, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 116, 134) }
```

Border

The CSS property to change the border of an element to XYZ 15.8040, 16.9213, 24.9874 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(100, 116, 134) }
```


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

```
.border{ border-color:rgb(100, 116, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 116, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 116, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 116, 134);  
box-shadow:4px 4px 4px 4px rgb(100, 116,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8040, 16.9213, 24.9874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 116, 134) }
```

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

```
.background{ background-color: rgb(100,  
116, 134) }
```

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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