

Converting Colors

XYZ(18.2882, 18.5059, 24.3088)

Have a look what the booklet for
XYZ(18.2882, 18.5059, 24.3088)
contains.

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Color

**XYZ(18.3890, 18.6159,
24.4538)**

Conversions

Conversions Part 1

Format	Color
Hex	787684
RGB	120, 118, 132
RGB Percent	47%, 46%, 52%
CMY	0.5294, 0.5372, 0.4823
CMYK	0.09, 0.11, 0.00, 0.48
HSL	249°, 6%, 49%
HSV	249°, 11%, 52%
XYZ	18.3890, 18.6159, 24.4538
YIQ	120.1940, -3.3020, 4.7780

Conversions

Conversions Part 2

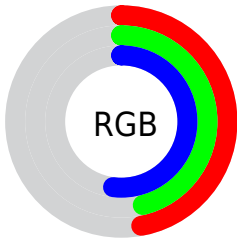
Format	Color
R_{YB}	120, 118, 132
Decimal	7894660
CIE Lab	50.23, 3.69, -7.37
CIE LCh	50, 8.244, 296.596
Yxy	18.6159, 0.2992, 0.3029
Android (android.graphics.Color)	4286084740 (0xFF787684)
YUV	120.1940, 5.8204, -0.1701
Hunter-Lab	43.1461, 0.5714, -3.4013

Details

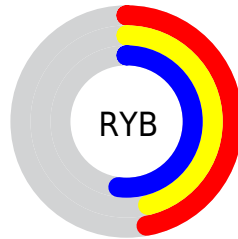
The XYZ color **18.3890, 18.6159, 24.4538** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.7279, 22.5569, 20.4019**, and the grayscale version is **17.8978, 18.8299, 20.5058**.

A 20% lighter version of the original color is **40.1449, 41.0229, 51.7013**, and **6.4240, 6.3826, 9.0770** is the 20% darker color. If you saturate the color by 10%, you get **15.4644, 14.9603, 23.9026**, and if you desaturate by 10%, it is **21.7178, 22.8038, 25.0870**.

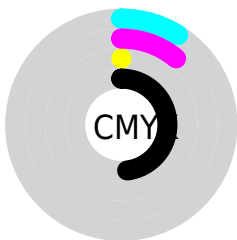
Distribution



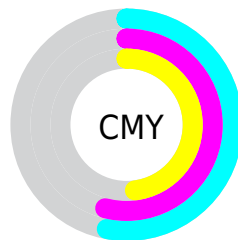
- Red (47%)
- Green (46%)
- Blue (52%)



- Red (47%)
- Yellow (46%)
- Blue (52%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)
- Black (48%)



- Cyan (53%)
- Magenta (54%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3890, 18.6159, 24.4538 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 18.3890, 18.6159, 24.4538 by changing the saturation by 10% instead.

■ 18.3890, 18.6159,
24.4538

■ 18.3890, 18.6159,
24.4538

236.0580,
244.3200, 288.4669

■ 11.3310, 11.3931,
15.4553

■ 40.2240, 41.0840,
51.7228

■ 6.3589, 6.3319,
8.9894

■ 55.7317, 57.0981,
70.8304

■ 3.1072, 3.0479,
4.6375

■ 74.7866, 76.8115,
94.1447

■ 1.2107, 1.1568,
1.9812

97.7542, 100.6084,
122.0844

■ 0.1148, 0.0260,
0.5437

124.9998,
128.8733, 155.0679

■ 0.0000, 0.0000,
0.0000

156.8887,

161.9906, 193.5138

193.7863,
200.3447, 237.8406

■ 18.3890, 18.6159,
24.4538

■ 18.3890, 18.6159,
24.4538

■ 15.4644, 14.9603,
23.9026

■ 21.7178, 22.8038,
25.0870

■ 12.9269, 11.8133,
23.4289

■ 25.4636, 27.5418,
25.8041

■ 10.7606, 9.1531,
23.0296

■ 29.6410, 32.8496,
26.6084

■ 8.9479, 6.9551,
22.7009

■ 34.2630, 38.7454,
27.5028

■ 7.4699, 5.1928,
22.4387

■ 39.3424, 45.2464,
28.4899

■ 6.3055, 3.8369,
22.2383

■ 44.8912, 52.3693,
29.5723

■ 5.4316, 2.8543,
22.0947

■ 50.9212, 60.1301,
30.7525

■ 4.8214, 2.2069,
22.0019

■ 57.4436, 68.5440,
32.0328

■ 4.4303, 1.8028,
21.9445

■ 64.4693, 77.6260,
33.4155

Harmonies

Analogous

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



17.6030, 18.6159, 24.9751



18.3890, 18.6159, 24.4538



19.0046, 18.6159, 22.7837

Triad

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



18.3890, 18.6159, 24.4538



18.5512, 18.6159, 16.8213



16.2074, 18.6159, 20.0100

Complementary

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



18.3890, 18.6159, 24.4538



20.7279, 22.5569, 20.4019

Split Complementary

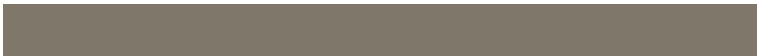
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.4448, 18.6159, 17.9475



18.3890, 18.6159, 24.4538



17.7850, 18.6159, 16.1956

Square

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



18.3890, 18.6159, 24.4538



19.1002, 18.6159, 18.3671



17.0165, 18.6159, 16.5921



16.3583, 18.6159, 22.2991

Rectangle

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



18.3890, 18.6159, 24.4538



19.2272, 18.6159, 21.3043



17.0165, 18.6159, 16.5921



16.2443, 18.6159, 19.2688

Sweetspot

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



18.3896, 18.6167, 24.4542



36.7442, 38.2633, 43.9021



19.6371, 21.5188, 24.9486



8.4509, 8.7775, 10.2015



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.



18.3896, 18.6167, 24.4542



30.9401, 30.9726, 42.8007



19.3765, 19.1255, 24.5004



4.4918, 4.5741, 5.8469



4.2927, 1.7471, 21.2477



0.0185, 0.0079, 0.0738

Inverse Universe

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



20.0241, 19.4750, 23.8238



34.4905, 32.8373, 41.4101



19.7093, 22.0318, 20.3543



4.8301, 4.7517, 5.7175



12.1098, 5.9083, 15.6826



0.0439, 0.0212, 0.0646

Previews

White Background



This preview shows how the XYZ color 18.3890, 18.6159, 24.4538 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 18.3890, 18.6159, 24.4538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

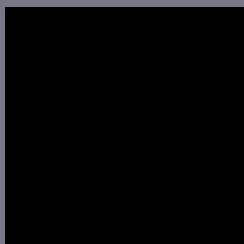
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

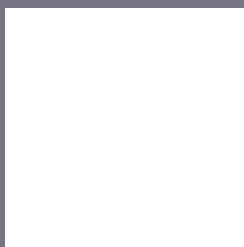
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3890, 18.6159, 24.4538

Background



This preview shows how black text looks on a background with the XYZ color 18.3890, 18.6159, 24.4538.



This preview shows how white text looks on a background with the XYZ color 18.3890, 18.6159,

24.4538.

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

18.3890, 18.6159, 24.4538

Protanopia

18.2329, 18.7111, 24.4804

Deuteranopia

18.8677, 18.5167, 24.4094



Tritanopia

18.1009, 18.6741, 23.0725

Trichromacy



Original Color

18.3890, 18.6159, 24.4538

Protanomaly

18.3694, 18.7815, 24.4868

Deuteranomaly

18.6945, 18.5995, 24.4345

Tritanomaly

18.1670, 18.7006, 23.4209

Monochromacy



Original Color

18.3890, 18.6159, 24.4538

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.9806, 18.6420, 21.7194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3890, 18.6159, 24.4538 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(120, 118, 132)` looks like.

```
.text, #text, p{  
    color:rgb(120, 118, 132)  
}
```

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(120, 118, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 118, 132) }
```

Border

The CSS property to change the border of an element to XYZ 18.3890, 18.6159, 24.4538 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(120, 118, 132) }
```


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

```
.border{ border-color:rgb(120, 118, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 118, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 118, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 118, 132);  
box-shadow:4px 4px 4px 4px rgb(120, 118,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3890, 18.6159, 24.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 118, 132) }
```

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

```
.background{ background-color: rgb(120,  
118, 132) }
```

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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