

Converting Colors

XYZ(16.6705, 18.9357, 24.7030)

Have a look what the booklet for
XYZ(16.6705, 18.9357, 24.7030)
contains.

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Color

**XYZ(16.6441, 18.9858,
24.6172)**

Conversions

Conversions Part 1

Format	Color
Hex	637D84
RGB	99, 125, 132
RGB Percent	39%, 49%, 52%
CMY	0.6118, 0.5098, 0.4823
CMYK	0.25, 0.05, 0.00, 0.48
HSL	193°, 14%, 45%
HSV	193°, 25%, 52%
XYZ	16.6441, 18.9858, 24.6172
YIQ	118.0240, -17.7430, -3.3350

Conversions

Conversions Part 2

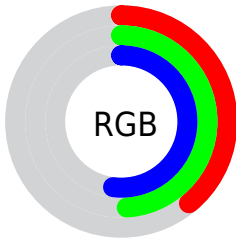
Format	Color
R_{YB}	99, 114, 132
Decimal	6520196
CIE _{Lab}	50.67, -7.64, -6.89
CIE _{LCh}	51, 10.288, 222.047
Yxy	18.9858, 0.2763, 0.3151
Android (android.graphics.Color)	4284710276 (0xFF637D84)
YUV	118.0240, 6.8902, -16.6840
Hunter-Lab	43.5727, -8.0680, -2.9961

Details

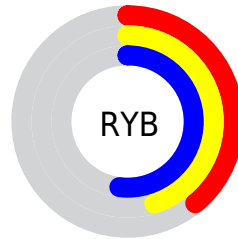
The XYZ color **16.6441, 18.9858, 24.6172** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.9222, 16.1147, 14.0235**, and the grayscale version is **17.2109, 18.1073, 19.7188**.

A 20% lighter version of the original color is **37.2550, 41.8276, 52.0089**, and **5.5110, 6.4972, 9.1472** is the 20% darker color. If you saturate the color by 10%, you get **14.9689, 17.6039, 24.4391**, and if you desaturate by 10%, it is **18.5661, 20.5107, 24.8105**.

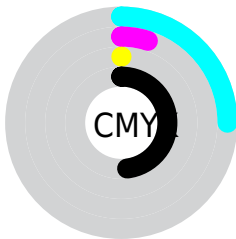
Distribution



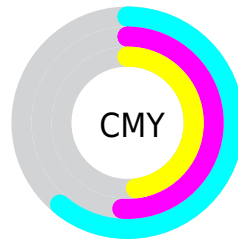
- Red (39%)
- Green (49%)
- Blue (52%)



- Red (39%)
- Yellow (45%)
- Blue (52%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)
- Black (48%)



- Cyan (61%)
- Magenta (51%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6441, 18.9858, 24.6172 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 16.6441, 18.9858, 24.6172 by changing the saturation by 10% instead.

■ 16.6441, 18.9858,
24.6172

■ 16.6441, 18.9858,
24.6172

226.3094,
246.3704, 289.3126

■ 10.0748, 11.6600,
15.5757

■ 37.2613, 41.7101,
51.9919

■ 5.5112, 6.5126,
9.0733

■ 52.0400, 57.8774,
71.1622

■ 2.5880, 3.1592,
4.6916

■ 70.2857, 77.7607,
94.5458

■ 0.9399, 1.2154,
2.0119

■ 92.3640, 101.7443,
122.5612

■ 0.0000, 0.0742,
0.5626

118.6402,
130.2127, 155.6271

■ 0.0000, 0.0000,
0.0000

149.4796,

163.5503, 194.1619

185.2476,
202.1413, 238.5842

■ 16.6441, 18.9858,
24.6172

■ 16.6441, 18.9858,
24.6172

■ 14.9689, 17.6039,
24.4391

■ 18.5661, 20.5107,
24.8105

■ 13.5274, 16.3568,
24.2743

■ 20.7441, 22.1820,
25.0184

■ 12.3077, 15.2385,
24.1228

■ 23.1887, 24.0059,
25.2415

■ 11.2960, 14.2420,
23.9837

■ 25.9093, 25.9872,
25.4806

■ 10.4771, 13.3592,
23.8565

■ 28.9152, 28.1309,
25.7359

■ 9.8336, 12.5810,
23.7402

■ 32.2148, 30.4414,
26.0080

■ 9.3405, 11.8945,
23.6337

■ 35.8165, 32.9232,
26.2972

■ 9.1158, 11.5677,
23.5825

■ 39.7282, 35.5804,
26.6039

■ 43.9575, 38.4171,
26.9286

Harmonies

Analogous

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



16.2156, 18.9858, 21.8526



16.6441, 18.9858, 24.6172



17.4546, 18.9858, 26.4152

Triad

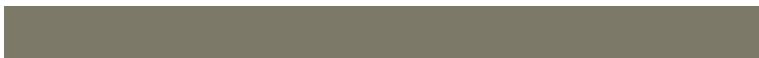
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.6441, 18.9858, 24.6172



19.9527, 18.9858, 22.4308



17.6439, 18.9858, 15.7051

Complementary

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



16.6441, 18.9858, 24.6172



16.9222, 16.1147, 14.0235

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.



18.6494, 18.9858, 15.8287



16.6441, 18.9858, 24.6172



20.0080, 18.9858, 19.5353

Square

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



16.6441, 18.9858, 24.6172



19.3749, 18.9858, 25.0743



19.5233, 18.9858, 17.1731



16.7782, 18.9858, 16.8183

Rectangle

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



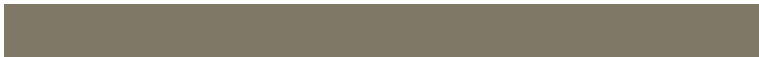
16.6441, 18.9858, 24.6172



18.1148, 18.9858, 26.7305



19.5233, 18.9858, 17.1731



17.9763, 18.9858, 15.6065

Sweetspot

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



16.6447, 18.9866, 24.6176



35.6734, 38.4155, 43.9879



15.9781, 20.1879, 16.5819



8.2630, 8.9116, 10.2373



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.



16.6447, 18.9866, 24.6176



27.5933, 32.0332, 43.1819



14.7689, 15.2351, 23.9924



4.7201, 5.1157, 5.9394



8.8301, 11.2081, 22.8347



0.0358, 0.0492, 0.0808

Inverse Universe

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



17.6797, 15.3104, 21.4262



29.7732, 24.5142, 36.4108



18.7401, 19.7505, 14.6294



4.8167, 4.7464, 5.6472



11.6352, 5.7184, 13.1830



0.0429, 0.0209, 0.0595

Previews

White Background



This preview shows how the XYZ color 16.6441, 18.9858, 24.6172 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 16.6441, 18.9858, 24.6172 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

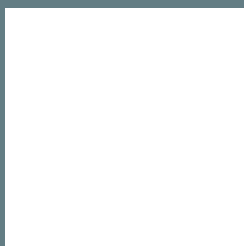
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6441, 18.9858, 24.6172

Background



This preview shows how black text looks on a background with the XYZ color 16.6441, 18.9858, 24.6172.



This preview shows how white text looks on a background with the XYZ color 16.6441, 18.9858,

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

16.6441, 18.9858, 24.6172

Protanopia

18.4246, 19.0110, 23.4673

Deuteranopia

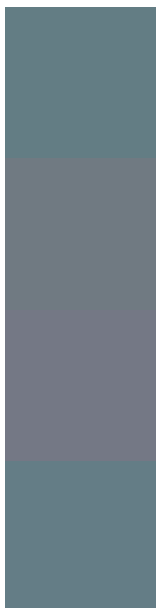
19.2686, 18.8794, 25.1828



Tritanopia

16.9623, 19.1258, 25.7193

Trichromacy



Original Color

16.6441, 18.9858, 24.6172

Protanomaly

17.6709, 18.9755, 23.8504

Deuteranomaly

18.1526, 18.8394, 24.8699

Tritanomaly

16.8922, 19.0978, 25.3502

Monochromacy



Original Color

16.6441, 18.9858, 24.6172

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.9681, 18.4843, 21.4124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6441, 18.9858, 24.6172 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(99, 125, 132) looks like.

```
.text, #text, p{  
    color:rgb(99, 125, 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(99, 125, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 125, 132) }
```

Border

The CSS property to change the border of an element to XYZ 16.6441, 18.9858, 24.6172 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(99, 125, 132) }
```


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

```
.border{ border-color:rgb(99, 125, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 125, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 125, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 125, 132);  
box-shadow:4px 4px 4px 4px rgb(99, 125,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6441, 18.9858, 24.6172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 125, 132) }
```

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

```
.background{ background-color: rgb(99, 125,  
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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