

Converting Colors

XYZ(16.6985, 18.1539, 24.6577)

Have a look what the booklet for
XYZ(16.6985, 18.1539, 24.6577)
contains.

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Color

**XYZ(16.6590, 18.0695,
24.8000)**

Conversions

Conversions Part 1

Format	Color
Hex	687885
RGB	104, 120, 133
RGB Percent	41%, 47%, 52%
CMY	0.5922, 0.5294, 0.4784
CMYK	0.22, 0.10, 0.00, 0.48
HSL	207°, 12%, 46%
HSV	207°, 22%, 52%
XYZ	16.6590, 18.0695, 24.8000
YIQ	116.6980, -13.7090, 0.6510

Conversions

Conversions Part 2

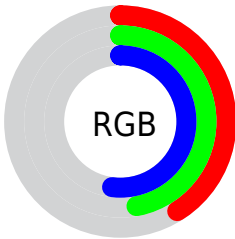
Format	Color
R_{YB}	104, 114, 133
Decimal	6846597
CIE _{Lab}	49.58, -2.86, -9.07
CIE _{LCh}	50, 9.511, 252.518
Yxy	18.0695, 0.2798, 0.3035
Android (android.graphics.Color)	4285036677 (0xFF687885)
YUV	116.6980, 8.0369, -11.1361
Hunter-Lab	42.5082, -4.4352, -4.8350

Details

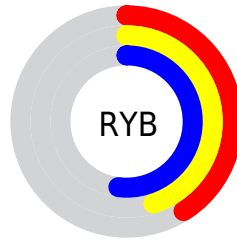
The XYZ color **16.6590, 18.0695, 24.8000** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.5329, 18.7084, 15.7313**, and the grayscale version is **16.7946, 17.6692, 19.2418**.

A 20% lighter version of the original color is **37.3258, 40.1181, 52.2307**, and **5.5485, 6.1156, 9.2755** is the 20% darker color. If you saturate the color by 10%, you get **14.5407, 15.9465, 24.5022**, and if you desaturate by 10%, it is **19.0666, 20.4088, 25.1249**.

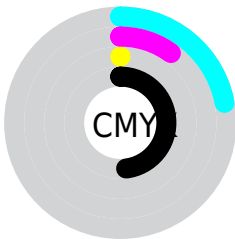
Distribution



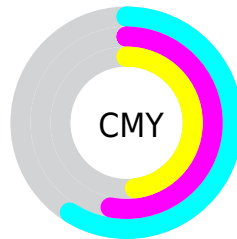
- Red (41%)
- Green (47%)
- Blue (52%)



- Red (41%)
- Yellow (45%)
- Blue (52%)



- Cyan (22%)
- Magenta (10%)
- Yellow (0%)
- Black (48%)



- Cyan (59%)
- Magenta (53%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6590, 18.0695, 24.8000 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 16.6590, 18.0695, 24.8000 by changing the saturation by 10% instead.

■ 16.6590, 18.0695,
24.8000

■ 16.6590, 18.0695,
24.8000

226.3943,
241.2625, 290.2562

■ 10.0855, 10.9999,
15.7104

■ 37.2868, 40.1557,
52.2927

■ 5.5184, 6.0668,
9.1674

■ 52.0718, 55.9411,
71.5329

■ 2.5923, 2.8857,
4.7522

■ 70.3247, 75.4006,
94.9937

■ 0.9421, 1.0724,
2.0464

■ 92.4107, 98.9185,
123.0937

■ 0.0000, 0.0000,
0.5836

118.6954,
126.8792, 156.2514

■ 0.0000, 0.0000,
0.0000

149.5440,

159.6672, 194.8854

185.3218,
197.6668, 239.4141

■ 16.6590, 18.0695,
24.8000

■ 16.6590, 18.0695,
24.8000

■ 14.5407, 15.9465,
24.5022

■ 19.0666, 20.4088,
25.1249

■ 12.6978, 14.0301,
24.2294

■ 21.7732, 22.9692,
25.4765

■ 11.1177, 12.3131,
23.9813

■ 24.7902, 25.7582,
25.8558

■ 9.7862, 10.7868,
23.7568

■ 28.1278, 28.7822,
26.2636

■ 8.6875, 9.4418,
23.5551

■ 31.7957, 32.0472,
26.7005

■ 7.8038, 8.2675,
23.3750

■ 35.8032, 35.5590,
27.1671

■ 7.1144, 7.2519,
23.2153

■ 40.1592, 39.3234,
27.6641

■ 6.6419, 6.5099,
23.0970

■ 44.8724, 43.3458,
28.1921

■ 49.9509, 47.6314,
28.7516

Harmonies

Analogous

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



15.9282, 18.0695, 23.2242



16.6590, 18.0695, 24.8000



17.5530, 18.0695, 24.9301

Triad

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



16.6590, 18.0695, 24.8000



18.9230, 18.0695, 18.6181



16.0294, 18.0695, 16.2375

Complementary

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



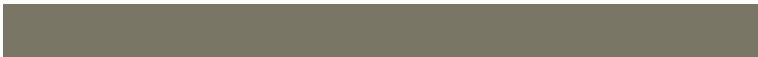
16.6590, 18.0695, 24.8000



18.5329, 18.7084, 15.7313

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.



16.8015, 18.0695, 15.2151



16.6590, 18.0695, 24.8000



18.4842, 18.0695, 16.5065

Square

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



16.6590, 18.0695, 24.8000



18.8816, 18.0695, 21.2040



17.7006, 18.0695, 15.3090



15.5736, 18.0695, 18.2206

Rectangle

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



16.6590, 18.0695, 24.8000



18.1233, 18.0695, 24.1649



17.7006, 18.0695, 15.3090



16.2594, 18.0695, 15.7782

Sweetspot

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



16.6595, 18.0702, 24.8004



36.3276, 38.6273, 45.2796



17.2822, 20.9926, 19.8377



8.1351, 8.6558, 10.1947



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.



16.6595, 18.0702, 24.8004



27.9542, 30.4921, 44.1506



15.0900, 14.9311, 24.2772



4.6316, 4.9388, 5.9099



6.3346, 6.2170, 22.0028



0.0292, 0.0361, 0.0787

Inverse Universe

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



18.0137, 16.2436, 19.9561



30.8484, 26.7571, 33.7595



20.2971, 22.2368, 16.3193



4.7721, 4.7285, 5.4121



10.3755, 5.2145, 6.5498



0.0396, 0.0195, 0.0421

Previews

White Background



This preview shows how the XYZ color 16.6590, 18.0695, 24.8000 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 16.6590, 18.0695, 24.8000 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

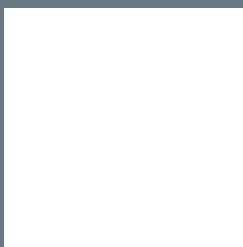
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6590, 18.0695, 24.8000

Background



This preview shows how black text looks on a background with the XYZ color 16.6590, 18.0695, 24.8000.

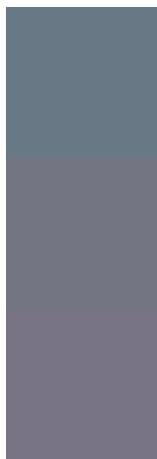


This preview shows how white text looks on a background with the XYZ color 16.6590, 18.0695,

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

16.6590, 18.0695, 24.8000

Protanopia

17.6605, 18.0743, 24.0306

Deuteranopia

18.3190, 18.0476, 25.0723



Tritanopia

16.3393, 17.9282, 23.7184

Trichromacy



Original Color

16.6590, 18.0695, 24.8000

Protanomaly

17.3254, 18.0676, 24.4040

Deuteranomaly

17.7346, 18.0886, 25.1110

Tritanomaly

16.4067, 17.9552, 24.0737

Monochromacy



Original Color

16.6590, 18.0695, 24.8000

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.7357, 17.8317, 21.2987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6590, 18.0695, 24.8000 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(104, 120, 133)` looks like.

```
.text, #text, p{  
    color:rgb(104, 120, 133)  
}
```

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(104, 120, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 120, 133) }
```

Border

The CSS property to change the border of an element to XYZ 16.6590, 18.0695, 24.8000 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(104, 120, 133) }
```


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

```
.border{ border-color:rgb(104, 120, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 120, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 120, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 120, 133);  
box-shadow:4px 4px 4px 4px rgb(104, 120,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6590, 18.0695, 24.8000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 120, 133) }
```

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

```
.background{ background-color: rgb(104,  
120, 133) }
```

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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