

Converting Colors

XYZ(16.8236, 18.6663, 18.0455)

Have a look what the booklet for
XYZ(16.8236, 18.6663, 18.0455)
contains.

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Color

**XYZ(16.8236, 18.6663,
18.0455)**

Conversions

Conversions Part 1

Format	Color
Hex	727A70
RGB	114, 122, 112
RGB Percent	45%, 48%, 44%
CMY	0.5529, 0.5216, 0.5608
CMYK	0.07, 0.00, 0.08, 0.52
HSL	108°, 4%, 46%
HSV	108°, 8%, 48%
XYZ	16.8236, 18.6663, 18.0455
YIQ	118.4680, -1.5580, -4.8060

Conversions

Conversions Part 2

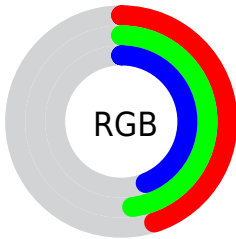
Format	Color
RYB	112, 122, 120
Decimal	7502448
CIELab	50.29, -5.02, 4.44
CIELCh	50, 6.701, 138.475
Yxy	18.6663, 0.3143, 0.3487
Android (android.graphics.Color)	4285692528 (0xFF727A70)
YUV	118.4680, -3.1887, -3.9184
Hunter-Lab	43.2045, -6.1010, 5.4791

Details

The XYZ color **16.8236, 18.6663, 18.0455** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.0534, 16.9870, 20.7933**, and the grayscale version is **17.3772, 18.2822, 19.9093**.

A 20% lighter version of the original color is **37.5628, 41.0594, 41.0675**, and **5.5547, 6.2935, 5.7725** is the 20% darker color. If you saturate the color by 10%, you get **14.9873, 17.7935, 14.6506**, and if you desaturate by 10%, it is **18.8885, 19.6474, 21.9324**.

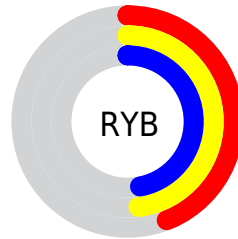
Distribution



Red (45%)

Green (48%)

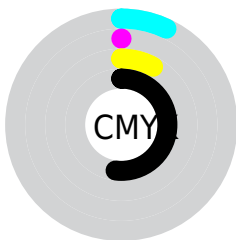
Blue (44%)



Red (44%)

Yellow (48%)

Blue (47%)

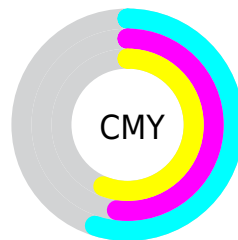


Cyan (7%)

Magenta (0%)

Yellow (8%)

Black (52%)



Cyan (55%)

Magenta (52%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8236, 18.6663, 18.0455 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 16.8236, 18.6663, 18.0455 by changing the saturation by 10% instead.

■ 16.8236, 18.6663,
18.0455

■ 16.8236, 18.6663,
18.0455

227.3299,
244.6003, 253.3721

■ 10.2033, 11.4294,
10.8129

■ 37.5682, 41.1695,
40.9298

■ 5.5973, 6.3564,
5.8286

■ 52.4233, 57.2045,
57.4186

■ 2.6401, 3.0630,
2.6740

■ 70.7541, 76.9411,
77.8299

■ 0.9664, 1.1647,
0.9303

■ 92.9258, 100.7635,
102.5821

■ 0.0000, 0.0326,
0.0000

119.3039,
129.0563, 132.0940

■ 0.0000, 0.0000,
0.0000

150.2537,

162.2037, 166.7839

186.1406,
200.5903, 207.0704

■ 16.8236, 18.6663,
18.0455

■ 16.8236, 18.6663,
18.0455

■ 14.9873, 17.7935,
14.6506

■ 18.8885, 19.6474,
21.9324

■ 13.3702, 17.0228,
11.7270

■ 21.1880, 20.7379,
26.3286

■ 11.9644, 16.3514,
9.2542

■ 23.7297, 21.9419,
31.2519

■ 10.7610, 15.7750,
7.2097

■ 26.5206, 23.2626,
36.7191

■ 9.7505, 15.2893,
5.5692

■ 29.5672, 24.7029,
42.7462

■ 8.9223, 14.8895,
4.3058

■ 32.8759, 26.2659,
49.3483

■ 8.2653, 14.5704,
3.3895

■ 36.4527, 27.9543,
56.5402

■ 7.7665, 14.3261,
2.7857

■ 40.3036, 29.7709,
64.3361

■ 7.4019, 14.1462,
2.4035

■ 44.4343, 31.7185,
72.7496

Harmonies

Analogous

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



17.3492, 18.6663, 17.1190



16.8236, 18.6663, 18.0455



16.5466, 18.6663, 19.6185

Triad

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



16.8236, 18.6663, 18.0455



17.4935, 18.6663, 24.0321



18.9521, 18.6663, 19.2126

Complementary

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



16.8236, 18.6663, 18.0455



17.0534, 16.9870, 20.7933

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.



18.9931, 18.6663, 21.0470



16.8236, 18.6663, 18.0455



18.1402, 18.6663, 23.9069

Square

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



16.8236, 18.6663, 18.0455



16.9271, 18.6663, 23.1199



18.6927, 18.6663, 22.7876



18.5822, 18.6663, 17.7639

Rectangle

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



16.8236, 18.6663, 18.0455



16.5356, 18.6663, 20.8558



18.6927, 18.6663, 22.7876



19.0052, 18.6663, 19.8021

Sweetspot

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



16.8241, 18.6671, 18.0459



31.7824, 33.8774, 35.8469



17.6679, 18.7412, 18.0157



7.2801, 7.7523, 8.2210



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.8241, 18.6671, 18.0459



28.9050, 32.5104, 30.4572



16.7367, 18.6024, 18.9286



4.0189, 4.4850, 4.2784



7.7278, 14.8611, 2.4612



36.2911, 70.5941, 11.7133

Inverse Universe

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



17.0534, 16.9870, 20.7933



29.4022, 28.8670, 36.4151



17.1506, 17.0583, 19.8421



4.0797, 4.0390, 5.0078



8.9502, 4.1867, 19.7217



41.9912, 19.6093, 94.0416

Previews

White Background



This preview shows how the XYZ color 16.8236, 18.6663, 18.0455 looks on a white background.

Color Contrast Check

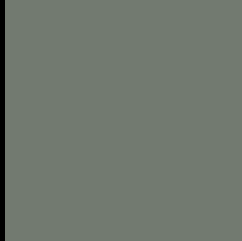
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8236, 18.6663, 18.0455 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

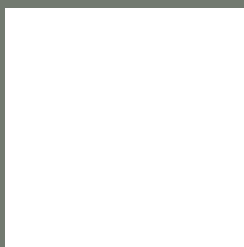
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8236, 18.6663, 18.0455

Background



This preview shows how black text looks on a background with the XYZ color 16.8236, 18.6663, 18.0455.

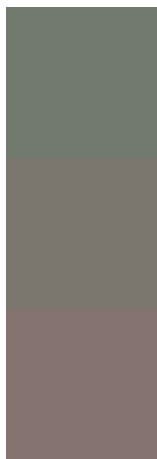


This preview shows how white text looks on a background with the XYZ color 16.8236, 18.6663,

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

16.8236, 18.6663, 18.0455

Protanopia

17.7235, 18.6045, 17.4088

Deuteranopia

18.7842, 18.4403, 18.1921



Tritanopia

18.0150, 18.7998, 23.4481

Trichromacy



Original Color

16.8236, 18.6663, 18.0455

Protanomaly

17.3314, 18.5737, 17.7105

Deuteranomaly

18.0633, 18.5847, 18.2580

Tritanomaly

17.6150, 18.8178, 21.4427

Monochromacy



Original Color

16.8236, 18.6663, 18.0455

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.0853, 18.2365, 19.1425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8236, 18.6663, 18.0455 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(114, 122, 112)` looks like.

```
.text, #text, p{  
    color:rgb(114, 122, 112)  
}
```

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(114, 122, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 122, 112) }
```

Border

The CSS property to change the border of an element to XYZ 16.8236, 18.6663, 18.0455 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(114, 122, 112) }
```


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

```
.border{ border-color:rgb(114, 122, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 122, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 122, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 122, 112);  
box-shadow:4px 4px 4px 4px rgb(114, 122,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8236, 18.6663, 18.0455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 122, 112) }
```

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

```
.background{ background-color: rgb(114,  
122, 112) }
```

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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