

Converting Colors

XYZ(18.7776, 18.4187, 28.6991)

Have a look what the booklet for
XYZ(18.7776, 18.4187, 28.6991)
contains.

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Color

**XYZ(18.6745, 18.3255,
28.5395)**

Conversions

Conversions Part 1

Format	Color
Hex	76748F
RGB	118, 116, 143
RGB Percent	46%, 45%, 56%
CMY	0.5373, 0.5451, 0.4392
CMYK	0.17, 0.19, 0.00, 0.44
HSL	244°, 11%, 51%
HSV	244°, 19%, 56%
XYZ	18.6745, 18.3255, 28.5395
YIQ	119.6760, -7.4750, 8.8210

Conversions

Conversions Part 2

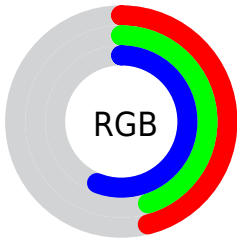
Format	Color
R_{YB}	118, 116, 143
Decimal	7763087
CIE _{Lab}	49.89, 6.67, -14.39
CIE _{LCh}	50, 15.865, 294.870
Yxy	18.3255, 0.2849, 0.2796
Android (android.graphics.Color)	4285953167 (0xFF76748F)
YUV	119.6760, 11.4987, -1.4699
Hunter-Lab	42.8083, 2.9535, -9.5617

Details

The XYZ color **18.6745, 18.3255, 28.5395** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.9600, 26.5691, 20.3894**, and the grayscale version is **17.7159, 18.6385, 20.2973**.

A 20% lighter version of the original color is **40.6582, 40.5825, 58.5136**, and **6.4971, 6.1898, 11.2082** is the 20% darker color. If you saturate the color by 10%, you get **15.4777, 14.4163, 27.9537**, and if you desaturate by 10%, it is **22.3787, 22.8738, 29.2225**.

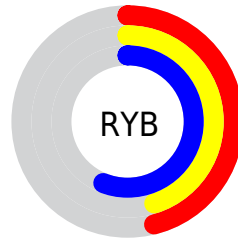
Distribution



Red (46%)

Green (45%)

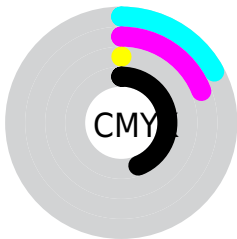
Blue (56%)



Red (46%)

Yellow (45%)

Blue (56%)

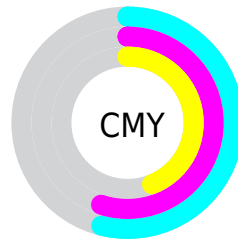


Cyan (17%)

Magenta (19%)

Yellow (0%)

Black (44%)



Cyan (54%)

Magenta (55%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6745, 18.3255, 28.5395 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 18.6745, 18.3255, 28.5395 by changing the saturation by 10% instead.

■ 18.6745, 18.3255,
28.5395

■ 18.6745, 18.3255,
28.5395

237.6186,
242.6994, 309.0286

■ 11.5379, 11.1839,
18.4902

■ 40.7045, 40.5912,
58.3781

■ 6.4998, 6.1907,
11.1294

■ 56.3286, 56.4841,
79.0044

■ 3.1948, 2.9614,
6.0387

■ 75.5126, 76.0629,
103.9934

■ 1.2576, 1.1116,
2.7994

■ 98.6219, 99.7120,
133.7637

■ 0.1511, 0.0000,
0.9932

126.0218,
127.8158, 168.7339

■ 0.0000, 0.0000,
0.0000

158.0776,

160.7587, 209.3224

195.1548,
198.9251, 255.9478

■ 18.6745, 18.3255,
28.5395

■ 18.6745, 18.3255,
28.5395

■ 15.4777, 14.4163,
27.9537

■ 22.3787, 22.8738,
29.2225

■ 12.7645, 11.1155,
27.4596

■ 26.6092, 28.0858,
30.0055

■ 10.5119, 8.3932,
27.0529

■ 31.3861, 33.9874,
30.8929

■ 8.6941, 6.2159,
26.7284

■ 36.7280, 40.6025,
31.8882

■ 7.2831, 4.5468,
26.4806

■ 42.6525, 47.9539,
32.9949

■ 6.2472, 3.3447,
26.3032

■ 49.1765, 56.0632,
34.2163

■ 5.5504, 2.5615,
26.1888

■ 56.3161, 64.9513,
35.5556

■ 5.1280, 2.0966,
26.1213

■ 64.0871, 74.6383,
37.0158

■ 5.0906, 2.0515,
26.1146

■ 72.5043, 85.1434,
38.5998

Harmonies

Analogous

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



17.1581, 18.3255, 29.4915



18.6745, 18.3255, 28.5395



19.9158, 18.3255, 25.1608

Triad

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



18.6745, 18.3255, 28.5395



19.1521, 18.3255, 13.8675



14.6693, 18.3255, 19.2151

Complementary

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



18.6745, 18.3255, 28.5395



23.9600, 26.5691, 20.3894

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.



15.1380, 18.3255, 15.5190



18.6745, 18.3255, 28.5395



17.6802, 18.3255, 12.7315

Square

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



18.6745, 18.3255, 28.5395



20.2026, 18.3255, 16.6401



16.2189, 18.3255, 13.2892



14.9015, 18.3255, 23.6796

Rectangle

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



18.6745, 18.3255, 28.5395



20.3903, 18.3255, 22.2159



16.2189, 18.3255, 13.2892



14.7493, 18.3255, 17.8499

Sweetspot

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



18.6751, 18.3263, 28.5399



42.0662, 43.4118, 52.7002



21.7153, 24.8054, 29.6303



9.5517, 9.8384, 12.0678



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.6751, 18.3263, 28.5399



30.6958, 29.4547, 50.6055



20.6105, 19.3240, 28.6305



5.1643, 5.2729, 6.7743



4.5090, 1.8181, 23.0904



0.0490, 0.0204, 0.2210

Inverse Universe

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



22.3814, 20.2543, 27.9300



38.7043, 33.6218, 49.2390



21.8324, 25.4723, 20.2898



5.6093, 5.5042, 6.7064



13.7268, 6.6477, 20.0106



0.1346, 0.0649, 0.2088

Previews

White Background



This preview shows how the XYZ color 18.6745, 18.3255, 28.5395 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 18.6745, 18.3255, 28.5395 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 18.6745, 18.3255, 28.5395

Background



This preview shows how black text looks on a background with the XYZ color 18.6745, 18.3255, 28.5395.



This preview shows how white text looks on a background with the XYZ color 18.6745, 18.3255,

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

18.6745, 18.3255, 28.5395

Protanopia

18.3225, 18.4812, 28.9871

Deuteranopia

18.6745, 18.3255, 28.5395



Tritanopia

17.5633, 18.3970, 23.0474

Trichromacy



Original Color

18.6745, 18.3255, 28.5395

Protanomaly

18.4656, 18.3810, 28.9602

Deuteranomaly

18.6745, 18.3255, 28.5395

Tritanomaly

17.9145, 18.3633, 24.7906

Monochromacy



Original Color

18.6745, 18.3255, 28.5395

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.1009, 18.6741, 23.0725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6745, 18.3255, 28.5395 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(118, 116, 143)` looks like.

```
.text, #text, p{  
    color:rgb(118, 116, 143)  
}
```

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(118, 116, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 116, 143) }
```

Border

The CSS property to change the border of an element to XYZ 18.6745, 18.3255, 28.5395 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(118, 116, 143) }
```


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

```
.border{ border-color:rgb(118, 116, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 116, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 116, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 116, 143);  
box-shadow:4px 4px 4px 4px rgb(118, 116,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6745, 18.3255, 28.5395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 116, 143) }
```

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

```
.background{ background-color: rgb(118,  
116, 143) }
```

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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