

Converting Colors

XYZ(15.8395, 15.8609, 21.0006)

Have a look what the booklet for
XYZ(15.8395, 15.8609, 21.0006)
contains.

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Color

**XYZ(15.8538, 15.8780,
20.9681)**

Conversions

Conversions Part 1

Format	Color
Hex	716D7B
RGB	113, 109, 123
RGB Percent	44%, 43%, 48%
CMY	0.5569, 0.5725, 0.5176
CMYK	0.08, 0.11, 0.00, 0.52
HSL	257°, 6%, 45%
HSV	257°, 11%, 48%
XYZ	15.8538, 15.8780, 20.9681
YIQ	111.7920, -2.1100, 5.2020

Conversions

Conversions Part 2

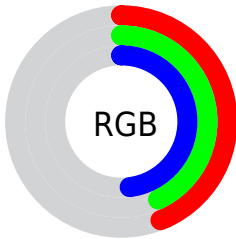
Format	Color
R_{YB}	113, 109, 123
Decimal	7433595
CIE _{Lab}	46.81, 4.48, -7.19
CIE _{LCh}	47, 8.478, 301.930
Yxy	15.8780, 0.3008, 0.3013
Android (android.graphics.Color)	4285623675 (0xFF716D7B)
YUV	111.7920, 5.5255, 1.0594
Hunter-Lab	39.8472, 1.2862, -3.3061

Details

The XYZ color **15.8538, 15.8780, 20.9681** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.4516, 19.1924, 17.2534**, and the grayscale version is **15.3253, 16.1234, 17.5584**.

A 20% lighter version of the original color is **35.8257, 36.2361, 45.6635**, and **5.1386, 5.0635, 7.1851** is the 20% darker color. If you saturate the color by 10%, you get **13.5562, 12.8805, 20.5109**, and if you desaturate by 10%, it is **18.4454, 19.3006, 21.4924**.

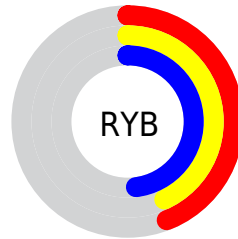
Distribution



Red (44%)

Green (43%)

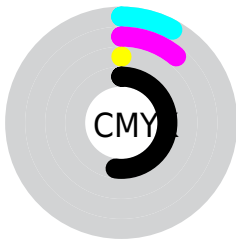
Blue (48%)



Red (44%)

Yellow (43%)

Blue (48%)

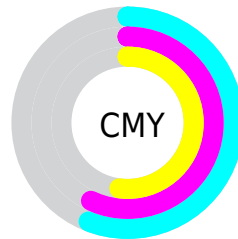


Cyan (8%)

Magenta (11%)

Yellow (0%)

Black (52%)



Cyan (56%)

Magenta (57%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8538, 15.8780, 20.9681 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 15.8538, 15.8780, 20.9681 by changing the saturation by 10% instead.

■ 15.8538, 15.8780,
20.9681

■ 15.8538, 15.8780,
20.9681

221.7649,
228.6207, 269.8844

■ 9.5109, 9.4379,
12.9097

■ 35.9037, 36.3863,
45.9145

■ 5.1357, 5.0279,
7.2364

■ 50.3415, 51.2232,
63.6396

■ 2.3627, 2.2636,
3.5297

■ 68.2083, 69.6279,
85.4240

■ 0.8264, 0.7544,
1.3711

■ 89.8694, 91.9846,
111.6863

■ 0.0000, 0.0000,
0.1190

115.6903,
118.6779, 142.8449

■ 0.0000, 0.0000,
0.0000

146.0363,

150.0921, 179.3184

181.2727,
186.6116, 221.5254

■ 15.8538, 15.8780,
20.9681

■ 15.8538, 15.8780,
20.9681

■ 13.5562, 12.8805,
20.5109

■ 18.4454, 19.3006,
21.4924

■ 11.5406, 10.2892,
20.1169

■ 21.3398, 23.1621,
22.0852

■ 9.7961, 8.0870,
19.7838

■ 24.5470, 27.4780,
22.7492

■ 8.3106, 6.2546,
19.5084

■ 28.0763, 32.2628,
23.4867

■ 7.0709, 4.7711,
19.2874

■ 31.9364, 37.5301,
24.3000

6.0626, 3.6135,
19.1171

36.1358, 43.2929,
25.1910

5.2698, 2.7557,
18.9933

40.6826, 49.5638,
26.1617

4.6743, 2.1676,
18.9112

45.5848, 56.3550,
27.2142

4.2728, 1.7897,
18.8594

50.8498, 63.6782,
28.3502

Harmonies

Analogous

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



15.1394, 15.8780, 21.6718



15.8538, 15.8780, 20.9681



16.3773, 15.8780, 19.2701

Triad

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



15.8538, 15.8780, 20.9681



15.7685, 15.8780, 13.9478



13.7186, 15.8780, 17.4255

Complementary

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



15.8538, 15.8780, 20.9681



17.4516, 19.1924, 17.2534

Split Complementary

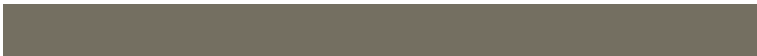
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.8749, 15.8780, 15.4475



15.8538, 15.8780, 20.9681



15.0439, 15.8780, 13.5400

Square

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



15.8538, 15.8780, 20.9681



16.3269, 15.8780, 15.2289



14.3542, 15.8780, 14.0666



13.9201, 15.8780, 19.5258

Rectangle

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



15.8538, 15.8780, 20.9681



16.5391, 15.8780, 17.8647



14.3542, 15.8780, 14.0666



13.7310, 15.8780, 16.7247

Sweetspot

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



15.8543, 15.8787, 20.9684



32.2073, 33.4699, 38.3194



16.4831, 17.8834, 21.3222



7.5029, 7.7736, 9.0081



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



15.8543, 15.8787, 20.9684



27.1172, 26.7654, 37.2936



16.7854, 16.3587, 21.0120



3.8952, 3.9439, 4.9991



4.4152, 1.8489, 19.5095



20.3225, 8.4386, 93.0275

Inverse Universe

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



16.9673, 16.4808, 19.7404



29.5904, 28.1040, 34.5357



16.5301, 18.7174, 17.2103



4.1080, 4.0589, 4.7663



10.2643, 5.0819, 9.9488



48.5814, 24.0889, 45.4534

Previews

White Background



This preview shows how the XYZ color 15.8538, 15.8780, 20.9681 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 15.8538, 15.8780, 20.9681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

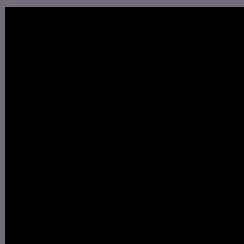
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

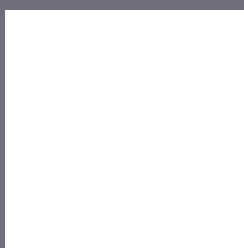
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8538, 15.8780, 20.9681

Background



This preview shows how black text looks on a background with the XYZ color 15.8538, 15.8780, 20.9681.



This preview shows how white text looks on a background with the XYZ color 15.8538, 15.8780,

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

15.8538, 15.8780, 20.9681

Protanopia

15.5207, 15.8583, 21.3117

Deuteranopia

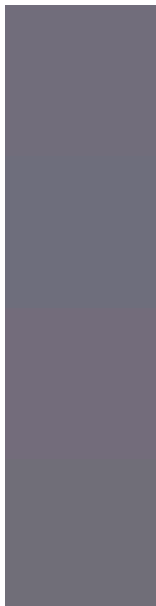
16.1402, 15.8682, 20.9511



Tritanopia

15.5280, 15.9046, 19.3910

Trichromacy



Original Color

15.8538, 15.8780, 20.9681

Protanomaly

15.6444, 15.9221, 21.3175

Deuteranomaly

16.0079, 15.8000, 20.9449

Tritanomaly

15.6482, 15.9527, 20.0237

Monochromacy



Original Color

15.8538, 15.8780, 20.9681

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5189, 16.0746, 18.8078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8538, 15.8780, 20.9681 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(113, 109, 123)` looks like.

```
.text, #text, p{  
    color:rgb(113, 109, 123)  
}
```

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(113, 109, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 109, 123) }
```

Border

The CSS property to change the border of an element to XYZ 15.8538, 15.8780, 20.9681 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(113, 109, 123) }
```


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

```
.border{ border-color:rgb(113, 109, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 109, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 109, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 109, 123);  
box-shadow:4px 4px 4px 4px rgb(113, 109,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8538, 15.8780, 20.9681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 109, 123) }
```

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

```
.background{ background-color: rgb(113,  
109, 123) }
```

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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