

Converting Colors

XYZ(15.5958, 18.9787, 8.6317)

Have a look what the booklet for
XYZ(15.5958, 18.9787, 8.6317)
contains.

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Color

**XYZ(15.6366, 19.0087,
8.6393)**

Conversions

Conversions Part 1

Format	Color
Hex	737E46
RGB	115, 126, 70
RGB Percent	45%, 49%, 27%
CMY	0.5490, 0.5059, 0.7255
CMYK	0.09, 0.00, 0.44, 0.51
HSL	72°, 29%, 38%
HSV	72°, 44%, 49%
XYZ	15.6366, 19.0087, 8.6393
YIQ	116.3270, 11.4200, -19.7480

Conversions

Conversions Part 2

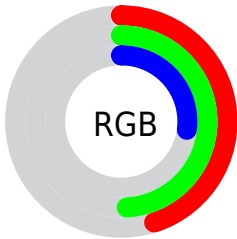
Format	Color
RYB	70, 126, 81
Decimal	7568966
CIELab	50.70, -13.52, 29.05
CIELCh	51, 32.045, 114.951
Yxy	19.0087, 0.3613, 0.4392
Android (android.graphics.Color)	4285759046 (0xFF737E46)
YUV	116.3270, -22.8392, -1.1638
Hunter-Lab	43.5990, -12.2799, 18.7707

Details

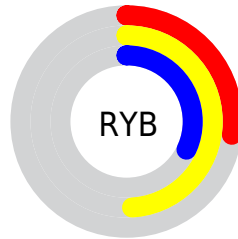
The XYZ color **15.6366, 19.0087, 8.6393** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.3501, 7.6365, 20.7209**, and the grayscale version is **16.7668, 17.6400, 19.2100**.

A 20% lighter version of the original color is **35.5983, 41.8969, 23.6634**, and **4.9987, 6.4975, 1.8548** is the 20% darker color. If you saturate the color by 10%, you get **14.9589, 18.7012, 6.7449**, and if you desaturate by 10%, it is **16.4075, 19.3558, 10.9746**.

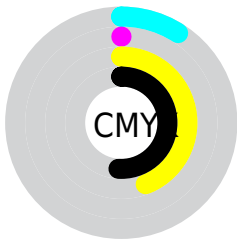
Distribution



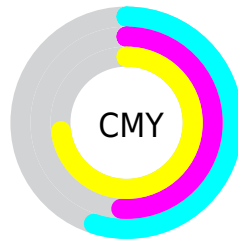
- Red (45%)
- Green (49%)
- Blue (27%)



- Red (27%)
- Yellow (49%)
- Blue (32%)



- Cyan (9%)
- Magenta (0%)
- Yellow (44%)
- Black (51%)



- Cyan (55%)
- Magenta (51%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6366, 19.0087, 8.6393 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 15.6366, 19.0087, 8.6393 by changing the saturation by 10% instead.

■ 15.6366, 19.0087,
8.6393

■ 15.6366, 19.0087,
8.6393

220.5005,
246.4968, 190.7817

■ 9.3566, 11.6766,
4.4131

■ 35.5287, 41.7488,
23.7690

■ 5.0335, 6.5238,
1.8546

■ 49.8716, 57.9256,
35.5097

■ 2.3019, 3.1661,
0.4636

■ 67.6327, 77.8193,
50.5922

■ 0.7956, 1.2191,
0.0000

■ 89.1775, 101.8144,
69.4351

■ 0.0000, 0.0772,
0.0000

■ 114.8713,
130.2954, 92.4569

■ 0.0000, 0.0000,
0.0000

145.0795,

163.6465, 120.0763

180.1675,
202.2521, 152.7117

■ 15.6366, 19.0087,
8.6393

■ 15.6366, 19.0087,
8.6393

■ 14.9589, 18.7012,
6.7449

■ 16.4075, 19.3558,
10.9746

■ 14.3676, 18.4286,
5.2624

■ 17.2750, 19.7420,
13.7749

■ 13.8573, 18.1893,
4.1614

■ 18.2442, 20.1698,
17.0640

■ 13.4212, 17.9808,
3.4066

■ 19.3192, 20.6410,
20.8637

■ 13.0499, 17.7991,
2.9488

■ 20.5040, 21.1571,
25.1946

■ 12.8558, 17.7035,
2.7395

■ 21.8023, 21.7198,
30.0760

■ 23.2177, 22.3303,
35.5263

■ 24.7536, 22.9900,
41.5632

■ 26.4133, 23.7004,
48.2033

Harmonies

Analogous

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



18.6042, 19.0087, 7.8034



15.6366, 19.0087, 8.6393



13.5588, 19.0087, 12.2660

Triad

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



15.6366, 19.0087, 8.6393



14.8150, 19.0087, 38.3392



24.7782, 19.0087, 22.2577

Complementary

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



15.6366, 19.0087, 8.6393



9.3501, 7.6365, 20.7209

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.



23.4782, 19.0087, 32.3087



15.6366, 19.0087, 8.6393



17.5407, 19.0087, 43.1595

Square

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



15.6366, 19.0087, 8.6393



13.1244, 19.0087, 28.8877



20.7375, 19.0087, 40.6823



24.1171, 19.0087, 14.2227

Rectangle

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



15.6366, 19.0087, 8.6393



12.8383, 19.0087, 16.5219



20.7375, 19.0087, 40.6823



24.5521, 19.0087, 25.5227

Sweetspot

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



15.6371, 19.0096, 8.6397



32.3184, 35.5921, 30.7515



12.5985, 10.6548, 7.1872



7.2746, 8.0622, 6.7290



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.



15.6371, 19.0096, 8.6397



26.3526, 32.9270, 11.9331



12.5663, 17.4265, 8.4960



4.5852, 4.9781, 4.6393



13.1847, 18.1594, 2.8102



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.3501, 7.6365, 20.7209



13.8472, 10.2817, 35.9991



12.1735, 9.0920, 20.8530



4.1817, 4.2493, 5.4131



4.2656, 1.7527, 20.3634



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.6366, 19.0087, 8.6393 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 15.6366, 19.0087, 8.6393 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 15.6366, 19.0087, 8.6393

Background



This preview shows how black text looks on a background with the XYZ color 15.6366, 19.0087, 8.6393.



This preview shows how white text looks on a background with the XYZ color 15.6366, 19.0087,

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

15.6366, 19.0087, 8.6393

Protanopia

17.3965, 18.9976, 8.2189

Deuteranopia

19.1874, 18.8535, 8.9311



Tritanopia

18.5853, 18.9162, 23.4405

Trichromacy



Original Color

15.6366, 19.0087, 8.6393

Protanomaly

16.7613, 19.0312, 8.4202

Deuteranomaly

17.7582, 18.8124, 8.8261

Tritanomaly

17.2741, 18.9237, 16.9296

Monochromacy



Original Color

15.6366, 19.0087, 8.6393

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.1711, 18.0468, 14.4355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6366, 19.0087, 8.6393 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(115, 126, 70)` looks like.

```
.text, #text, p{  
    color:rgb(115, 126, 70)  
}
```

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(115, 126, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 126, 70) }
```

Border

The CSS property to change the border of an element to XYZ 15.6366, 19.0087, 8.6393 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(115, 126, 70) }
```


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

```
.border{ border-color:rgb(115, 126, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 126, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 126, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 126, 70);  
box-shadow:4px 4px 4px 4px rgb(115, 126,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6366, 19.0087, 8.6393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 126, 70) }
```

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

```
.background{ background-color: rgb(115,  
126, 70) }
```

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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