

Converting Colors

XYZ(19.6227, 12.6747, 4.5083)

Have a look what the booklet for
XYZ(19.6227, 12.6747, 4.5083)
contains.

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Color

**XYZ(19.6086, 12.6783,
4.5456)**

Conversions

Conversions Part 1

Format	Color
Hex	AD3F33
RGB	173, 63, 51
RGB Percent	68%, 25%, 20%
CMY	0.3216, 0.7529, 0.8000
CMYK	0.00, 0.64, 0.71, 0.32
HSL	6°, 54%, 44%
HSV	6°, 71%, 68%
XYZ	19.6086, 12.6783, 4.5456
YIQ	94.5220, 69.4120, 19.5880

Conversions

Conversions Part 2

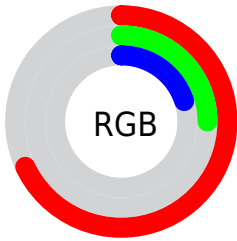
Format	Color
R_{YB}	173, 64, 51
Decimal	11353907
CIE _{Lab}	42.27, 44.26, 31.09
CIE _{LCh}	42, 54.089, 35.088
Yxy	12.6783, 0.5324, 0.3442
Android (android.graphics.Color)	4289543987 (0xFFAD3F33)
YUV	94.5220, -21.4563, 68.8252
Hunter-Lab	35.6066, 35.9886, 17.3556

Details

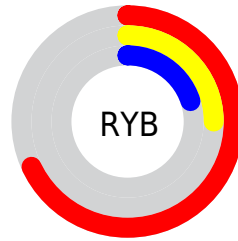
The XYZ color **19.6086, 12.6783, 4.5456** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.6515, 29.2079, 44.0313**, and the grayscale version is **10.8016, 11.3642, 12.3756**.

A 20% lighter version of the original color is **42.3817, 30.8650, 15.2791**, and **6.9723, 3.5906, 0.4979** is the 20% darker color. If you saturate the color by 10%, you get **18.5508, 11.0639, 2.6486**, and if you desaturate by 10%, it is **21.0536, 14.8403, 7.2718**.

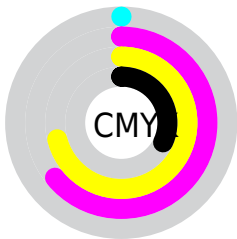
Distribution



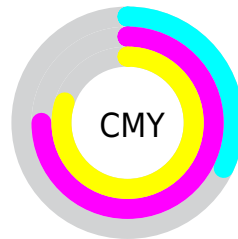
- Red (68%)
- Green (25%)
- Blue (20%)



- Red (68%)
- Yellow (25%)
- Blue (20%)



- Cyan (0%)
- Magenta (64%)
- Yellow (71%)
- Black (32%)





- Cyan (32%)
- Magenta (75%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6086, 12.6783, 4.5456 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 19.6086, 12.6783, 4.5456 by changing the saturation by 10% instead.


 19.6086, 12.6783,
4.5456


 19.6086, 12.6783,
4.5456

242.6624,
208.8455, 154.1093


 12.2175, 7.2074,
1.9292


 42.2690, 30.7246,
15.2497


 6.9652, 3.5921,
0.5112


 58.2689, 44.0688,
24.1745


 3.4865, 1.4481,
0.0000

 77.8691, 60.8062,
36.0391

 1.4159, 0.2518,
0.0000

 101.4350, 81.3213,
51.2622

 0.2675, 0.0000,
0.0000

 129.3320,
105.9983, 70.2622

 0.0000, 0.0000,
0.0000

 161.9253,

135.2218, 93.4577

199.5803,
169.3761, 121.2672

■ 19.6086, 12.6783,
4.5456

■ 19.6086, 12.6783,
4.5456

■ 18.5508, 11.0639,
2.6486

■ 21.0536, 14.8403,
7.2718

■ 17.8415, 9.9458,
1.4854

■ 22.9178, 17.5910,
10.9074

■ 17.4343, 9.2859,
0.8735

■ 25.2309, 20.9700,
15.5235

■ 28.0197, 25.0129,
21.1842

■ 31.3087, 29.7526,
27.9481

■ 35.1209, 35.2198,
35.8694

■ 39.4778, 41.4434,
44.9987

■ 44.3997, 48.4506,
55.3838

■ 49.9057, 56.2674,
67.0696

Harmonies

Analogous

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



21.5864, 12.6783, 11.9201



19.6086, 12.6783, 4.5456



15.6358, 12.6783, 1.8501

Triad

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



19.6086, 12.6783, 4.5456



6.2791, 12.6783, 6.3821



12.7540, 12.6783, 50.0474

Complementary

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



19.6086, 12.6783, 4.5456



21.6515, 29.2079, 44.0313

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.



9.0597, 12.6783, 45.5042



19.6086, 12.6783, 4.5456



5.8406, 12.6783, 15.8777

Square

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



19.6086, 12.6783, 4.5456



8.1065, 12.6783, 2.4177



6.7369, 12.6783, 30.9953



17.1020, 12.6783, 41.2637

Rectangle

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



19.6086, 12.6783, 4.5456



12.7293, 12.6783, 1.3758



6.7369, 12.6783, 30.9953



11.3960, 12.6783, 50.0615

Sweetspot

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



19.6089, 12.6790, 4.5458



55.5383, 52.5173, 48.9490



25.0131, 13.8902, 35.9345



11.7147, 10.9023, 9.9053



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.6089, 12.6790, 4.5458



32.3958, 18.5196, 3.3550



24.8110, 23.0831, 6.2798



8.0663, 8.1375, 8.3589



12.8288, 6.8630, 0.6485



0.3767, 0.2306, 0.0247

Inverse Universe

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



21.6515, 29.2079, 44.0313



36.1391, 49.7013, 78.4943



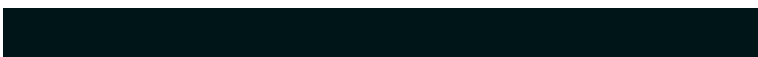
13.6430, 13.1909, 41.3618



8.1680, 8.9353, 10.2469



14.2953, 19.7244, 32.0983



0.4167, 0.5867, 0.8993

Previews

White Background



This preview shows how the XYZ color 19.6086, 12.6783, 4.5456 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 19.6086, 12.6783, 4.5456 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 19.6086, 12.6783, 4.5456

Background



This preview shows how black text looks on a background with the XYZ color 19.6086, 12.6783, 4.5456.



This preview shows how white text looks on a background with the XYZ color 19.6086, 12.6783,

4.5456.

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

19.6086, 12.6783, 4.5456

Protanopia

12.0095, 12.9925, 6.7253

Deuteranopia

13.1140, 12.9152, 4.2843



Tritanopia

20.0784, 12.7178, 6.3976

Trichromacy



Original Color

19.6086, 12.6783, 4.5456

Protanomaly

13.8705, 12.1187, 5.7458

Deuteranomaly

14.8387, 12.2967, 4.2807

Tritanomaly

19.9938, 12.7702, 5.6861

Monochromacy



Original Color

19.6086, 12.6783, 4.5456

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.6729, 10.9620, 8.8451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6086, 12.6783, 4.5456 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(173, 63, 51)` looks like.

```
.text, #text, p{  
    color:rgb(173, 63, 51)  
}
```

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(173, 63, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 63, 51) }
```

Border

The CSS property to change the border of an element to XYZ 19.6086, 12.6783, 4.5456 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(173, 63, 51) }
```


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

```
.border{ border-color:rgb(173, 63, 51) }
```

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

Here you see how a box with a 4 pixel rgb(173, 63, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 63, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 63, 51);  
box-shadow:4px 4px 4px 4px rgb(173, 63,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6086, 12.6783, 4.5456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 63, 51) }
```

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

```
.background{ background-color: rgb(173, 63,  
51) }
```

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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