

Converting Colors

XYZ(18.7201, 10.6789, 4.2238)

Have a look what the booklet for
XYZ(18.7201, 10.6789, 4.2238)
contains.

XYZ(18.7786, 10.6887, 4.2054)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.7786, 10.6887,
4.2054)**

Conversions

Conversions Part 1

Format	Color
Hex	AE2733
RGB	174, 39, 51
RGB Percent	68%, 15%, 20%
CMY	0.3176, 0.8470, 0.8000
CMYK	0.00, 0.78, 0.71, 0.32
HSL	355°, 63%, 42%
HSV	355°, 78%, 68%
XYZ	18.7786, 10.6887, 4.2054
YIQ	80.7330, 76.6080, 32.3520

Conversions

Conversions Part 2

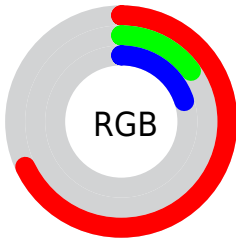
Format	Color
R_{YB}	174, 39, 51
Decimal	11413299
CIE Lab	39.05, 53.92, 27.31
CIE LCh	39, 60.446, 26.861
Yxy	10.6887, 0.5577, 0.3174
Android (android.graphics.Color)	4289603379 (0xFFAE2733)
YUV	80.7330, -14.6584, 81.7952
Hunter-Lab	32.6936, 45.3134, 15.2590

Details

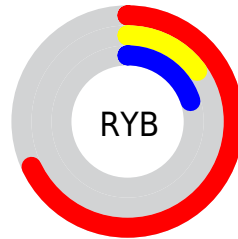
The XYZ color **18.7786, 10.6887, 4.2054** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **22.4954, 33.3124, 39.4308**, and the grayscale version is **7.7866, 8.1922, 8.9213**.

A 20% lighter version of the original color is **40.9326, 27.0617, 14.3753**, and **6.9778, 3.5927, 0.5267** is the 20% darker color. If you saturate the color by 10%, you get **18.0405, 9.6799, 2.5191**, and if you desaturate by 10%, it is **19.8983, 12.2704, 6.6071**.

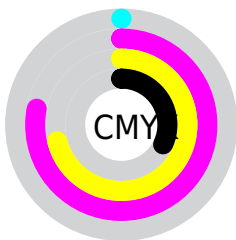
Distribution



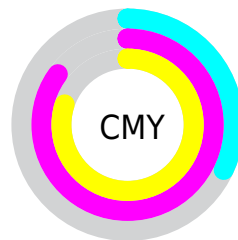
- Red (68%)
- Green (15%)
- Blue (20%)



- Red (68%)
- Yellow (15%)
- Blue (20%)



- Cyan (0%)
- Magenta (78%)
- Yellow (71%)
- Black (32%)





- Cyan (32%)
- Magenta (85%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7786, 10.6887, 4.2054 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 18.7786, 10.6887, 4.2054 by changing the saturation by 10% instead.


 18.7786, 10.6887,
4.2054


 18.7786, 10.6887,
4.2054


238.1854,
195.5192, 150.4817


 11.6135, 5.8579,
1.7387


 40.8794, 27.0831,
14.4808


 6.5514, 2.7589,
0.3870


 56.5458, 39.4154,
23.1265


 3.2270, 1.0072,
0.0000

 75.7767, 55.0171,
34.6690

 1.2749, 0.0000,
0.0000

 98.9374, 74.2725,
49.5268

 0.1643, 0.0000,
0.0000

 126.3932, 97.5661,
68.1184

 0.0000, 0.0000,
0.0000

 158.5096,

125.2821, 90.8624

195.6519,
157.8050, 118.1774

■ 18.7786, 10.6887,
4.2054

■ 18.7786, 10.6887,
4.2054

■ 18.0405, 9.6799,
2.5191

■ 19.8983, 12.2704,
6.6071

■ 17.6212, 9.1380,
1.4643

■ 21.4417, 14.4909,
9.7919

■ 17.5449, 9.0344,
1.2882

■ 23.4458, 17.4093,
13.8200

■ 25.9437, 21.0773,
18.7457

■ 28.9652, 25.5419,
24.6186

■ 32.5377, 30.8461,
31.4850

■ 36.6870, 37.0299,
39.3877

■ 41.4370, 44.1307,
48.3672

■ 46.8103, 52.1838,
58.4620

Harmonies

Analogous

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



20.0503, 10.6887, 12.8988



18.7786, 10.6887, 4.2054



15.0220, 10.6887, 1.1834

Triad

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



18.7786, 10.6887, 4.2054



4.9464, 10.6887, 3.2236



9.7400, 10.6887, 50.9495

Complementary

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



18.7786, 10.6887, 4.2054



22.4954, 33.3124, 39.4308

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.



6.4786, 10.6887, 41.9493



18.7786, 10.6887, 4.2054



4.2118, 10.6887, 10.4625

Square

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



18.7786, 10.6887, 4.2054



7.0397, 10.6887, 0.9372



4.6879, 10.6887, 24.8523



14.0863, 10.6887, 44.8775

Rectangle

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



18.7786, 10.6887, 4.2054



12.0283, 10.6887, 0.5919



4.6879, 10.6887, 24.8523



8.4946, 10.6887, 49.4950

Sweetspot

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



18.7788, 10.6893, 4.2056



55.1204, 50.1565, 49.6299



22.9633, 12.0330, 41.1564



11.7603, 10.4199, 10.0848



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.7788, 10.6893, 4.2056



32.1444, 16.8092, 3.1121



21.7367, 16.9749, 4.0512



8.0331, 8.0265, 8.4849



12.7357, 6.5568, 0.9875



0.3634, 0.1860, 0.0753

Inverse Universe

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



18.7788, 10.6893, 4.2056



32.1444, 16.8092, 3.1121



15.1939, 16.9214, 42.5094



8.0331, 8.0265, 8.4849



12.7357, 6.5568, 0.9875



0.3634, 0.1860, 0.0753

Previews

White Background



This preview shows how the XYZ color 18.7786, 10.6887, 4.2054 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 18.7786, 10.6887, 4.2054 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 18.7786, 10.6887, 4.2054

Background



This preview shows how black text looks on a background with the XYZ color 18.7786, 10.6887, 4.2054.



This preview shows how white text looks on a background with the XYZ color 18.7786, 10.6887,

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

18.7786, 10.6887, 4.2054

Protanopia

10.2754, 10.9802, 7.3722

Deuteranopia

11.0787, 10.9640, 3.8179



Tritanopia

18.6664, 10.7517, 3.2819

Trichromacy



Original Color

18.7786, 10.6887, 4.2054

Protanomaly

12.0321, 9.6360, 5.9284

Deuteranomaly

12.8997, 9.9380, 3.8231

Tritanomaly

18.6880, 10.7057, 3.5641

Monochromacy



Original Color

18.7786, 10.6887, 4.2054

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.1239, 7.9835, 6.8017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7786, 10.6887, 4.2054 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(174, 39, 51)` looks like.

```
.text, #text, p{  
    color:rgb(174, 39, 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(174, 39, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 39, 51) }
```

Border

The CSS property to change the border of an element to XYZ 18.7786, 10.6887, 4.2054 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(174, 39, 51) }
```


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

```
.border{ border-color:rgb(174, 39, 51) }
```

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

Here you see how a box with a 4 pixel rgb(174, 39, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 39, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 39, 51);  
box-shadow:4px 4px 4px 4px rgb(174, 39,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7786, 10.6887, 4.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 39, 51) }
```

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

```
.background{ background-color: rgb(174, 39,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor