

Converting Colors

XYZ(18.0707, 12.0420, 6.4384)

Have a look what the booklet for
XYZ(18.0707, 12.0420, 6.4384)
contains.

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Color

**XYZ(17.9487, 11.9488,
6.3614)**

Conversions

Conversions Part 1

Format	Color
Hex	A34141
RGB	163, 65, 65
RGB Percent	64%, 25%, 25%
CMY	0.3608, 0.7451, 0.7451
CMYK	0.00, 0.60, 0.60, 0.36
HSL	0°, 43%, 45%
HSV	0°, 60%, 64%
XYZ	17.9487, 11.9488, 6.3614
YIQ	94.3020, 58.4080, 20.7760

Conversions

Conversions Part 2

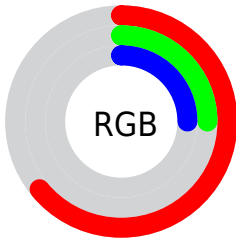
Format	Color
R_{YB}	163, 65, 65
Decimal	10699073
CIE Lab	41.13, 40.59, 20.90
CIE LCh	41, 45.655, 27.247
Yxy	11.9488, 0.4950, 0.3295
Android (android.graphics.Color)	4288889153 (0xFFA34141)
YUV	94.3020, -14.4459, 60.2481
Hunter-Lab	34.5670, 32.1926, 13.2857

Details

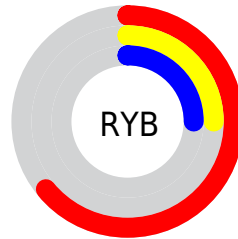
The XYZ color **17.9487, 11.9488, 6.3614** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.8870, 29.9605, 39.2795**, and the grayscale version is **10.7348, 11.2939, 12.2990**.

A 20% lighter version of the original color is **39.4661, 29.4444, 19.2260**, and **6.1755, 3.2958, 1.0697** is the 20% darker color. If you saturate the color by 10%, you get **16.7384, 10.1779, 3.9551**, and if you desaturate by 10%, it is **19.5659, 14.3154, 9.5758**.

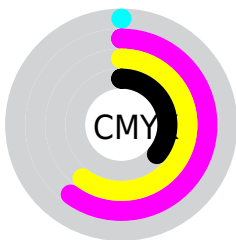
Distribution



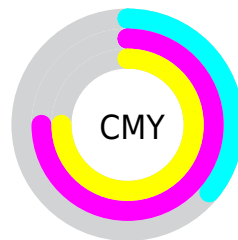
- Red (64%)
- Green (25%)
- Blue (25%)



- Red (64%)
- Yellow (25%)
- Blue (25%)



- Cyan (0%)
- Magenta (60%)
- Yellow (60%)
- Black (36%)





- Cyan (36%)
- Magenta (75%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9487, 11.9488, 6.3614 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 17.9487, 11.9488, 6.3614 by changing the saturation by 10% instead.


 17.9487, 11.9488,
6.3614


 17.9487, 11.9488,
6.3614


233.6329,
204.0660, 171.6711


 11.0126, 6.7088,
2.9937


 39.4807, 29.4018,
19.1670


 6.1427, 3.2807,
1.0914


 54.8073, 42.3837,
29.4420


 2.9735, 1.2800,
0.0000

 73.6614, 58.7149,
42.8565

 1.1398, 0.1256,
0.0000

 96.4085, 78.7799,
59.8291

 0.0580, 0.0000,
0.0000

 123.4138,
102.9632, 80.7784

 0.0000, 0.0000,
0.0000

 155.0427,

131.6490, 106.1227

191.6607,
165.2218, 136.2808

■ 17.9487, 11.9488,
6.3614

■ 17.9487, 11.9488,
6.3614

■ 16.7384, 10.1779,
3.9551

■ 19.5659, 14.3154,
9.5758

■ 15.8979, 8.9481,
2.2845

■ 21.6207, 17.3223,
13.6607

■ 15.3854, 8.1980,
1.2657

■ 24.1422, 21.0120,
18.6732

■ 15.1043, 7.7867,
0.7069

■ 27.1565, 25.4228,
24.6655

■ 30.6879, 30.5902,
31.6858

■ 34.7590, 36.5473,
39.7790

■ 39.3911, 43.3254,
48.9876

■ 44.6044, 50.9539,
59.3516

■ 50.4181, 59.4608,
70.9092

Harmonies

Analogous

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



18.9063, 11.9488, 13.8984



17.9487, 11.9488, 6.3614



15.1283, 11.9488, 2.9563

Triad

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



17.9487, 11.9488, 6.3614



6.8301, 11.9488, 5.4725



11.0563, 11.9488, 40.7336

Complementary

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



17.9487, 11.9488, 6.3614



21.8870, 29.9605, 39.2795

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.



8.2711, 11.9488, 34.9237



17.9487, 11.9488, 6.3614



6.1442, 11.9488, 12.1607

Square

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



17.9487, 11.9488, 6.3614



8.7037, 11.9488, 2.6445



6.6162, 11.9488, 23.1736



14.5011, 11.9488, 36.6287

Rectangle

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



17.9487, 11.9488, 6.3614



12.8091, 11.9488, 2.1407



6.6162, 11.9488, 23.1736



10.0190, 11.9488, 39.8300

Sweetspot

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



17.9490, 11.9495, 6.3616



49.6973, 47.0842, 46.2851



23.6053, 14.2115, 36.1491



10.7923, 10.0342, 9.6609



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.9490, 11.9495, 6.3616



29.4247, 17.4194, 5.9848



22.0757, 20.2028, 7.7372



7.0738, 7.0860, 7.3750



11.7389, 6.0518, 0.5494



0.2467, 0.1272, 0.0115

Inverse Universe

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



21.8870, 29.9605, 39.2795



37.1127, 52.5816, 70.2493



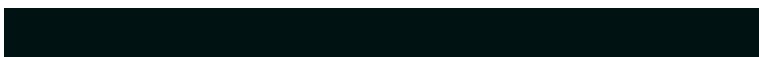
14.8082, 15.8028, 36.9199



7.2761, 8.0112, 9.0659



15.3156, 22.4106, 30.4482



0.3218, 0.4709, 0.6398

Previews

White Background



This preview shows how the XYZ color 17.9487, 11.9488, 6.3614 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 17.9487, 11.9488, 6.3614 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 17.9487, 11.9488, 6.3614

Background



This preview shows how black text looks on a background with the XYZ color 17.9487, 11.9488, 6.3614.



This preview shows how white text looks on a background with the XYZ color 17.9487, 11.9488,

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

17.9487, 11.9488, 6.3614

Protanopia

11.4879, 12.2429, 9.1548

Deuteranopia

12.2012, 12.0065, 5.9494



Tritanopia

18.0118, 11.8830, 6.9745

Trichromacy



Original Color

17.9487, 11.9488, 6.3614

Protanomaly

13.0213, 11.5100, 8.0139

Deuteranomaly

13.7943, 11.6026, 6.0699

Tritanomaly

17.9810, 11.8707, 6.8124

Monochromacy



Original Color

17.9487, 11.9488, 6.3614

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.2623, 10.7330, 9.6090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9487, 11.9488, 6.3614 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(163, 65, 65)` looks like.

```
.text, #text, p{  
    color:rgb(163, 65, 65)  
}
```

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(163, 65, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 65, 65) }
```

Border

The CSS property to change the border of an element to XYZ 17.9487, 11.9488, 6.3614 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(163, 65, 65) }
```


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

```
.border{ border-color:rgb(163, 65, 65) }
```

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

Here you see how a box with a 4 pixel rgb(163, 65, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 65, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 65, 65);  
box-shadow:4px 4px 4px 4px rgb(163, 65,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9487, 11.9488, 6.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 65, 65) }
```

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

```
.background{ background-color: rgb(163, 65,  
65) }
```

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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