

Converting Colors

XYZ(18.8802, 12.1372, 6.5202)

Have a look what the booklet for
XYZ(18.8802, 12.1372, 6.5202)
contains.

XYZ(18.8544, 12.1634, 6.5083)	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(18.8544, 12.1634,
6.5083)**

Conversions

Conversions Part 1

Format	Color
Hex	A83E42
RGB	168, 62, 66
RGB Percent	66%, 24%, 26%
CMY	0.3412, 0.7568, 0.7412
CMYK	0.00, 0.63, 0.61, 0.34
HSL	358°, 46%, 45%
HSV	358°, 63%, 66%
XYZ	18.8544, 12.1634, 6.5083
YIQ	94.1500, 61.8920, 23.7160

Conversions

Conversions Part 2

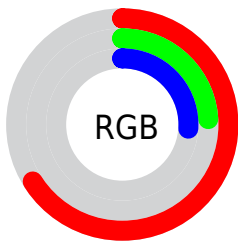
Format	Color
RYB	168, 62, 66
Decimal	11025986
CIELab	41.47, 43.87, 20.90
CIElCh	41, 48.592, 25.469
Yxy	12.1634, 0.5024, 0.3241
Android (android.graphics.Color)	4289216066 (0xFFA83E42)
YUV	94.1500, -13.8780, 64.7664
Hunter-Lab	34.8761, 35.4660, 13.3490

Details

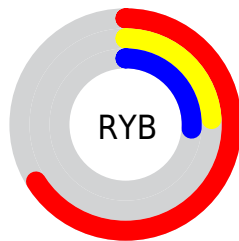
The XYZ color **18.8544, 12.1634, 6.5083** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **22.6909, 31.7099, 40.0492**, and the grayscale version is **10.6969, 11.2540, 12.2556**.

A 20% lighter version of the original color is **41.0495, 29.7435, 19.4971**, and **6.5851, 3.3769, 1.1153** is the 20% darker color. If you saturate the color by 10%, you get **17.6668, 10.4462, 4.0840**, and if you desaturate by 10%, it is **20.4597, 14.5006, 9.7367**.

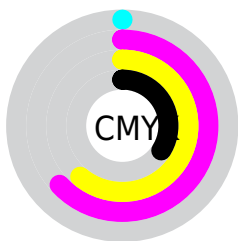
Distribution



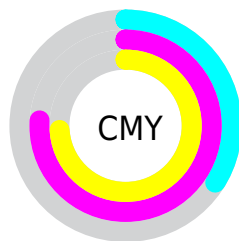
- Red (66%)
- Green (24%)
- Blue (26%)



- Red (66%)
- Yellow (24%)
- Blue (26%)



- Cyan (0%)
- Magenta (63%)
- Yellow (61%)
- Black (34%)





- Cyan (34%)
- Magenta (76%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8544, 12.1634, 6.5083 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 18.8544, 12.1634, 6.5083 by changing the saturation by 10% instead.


 18.8544, 12.1634,
6.5083


 18.8544, 12.1634,
6.5083


238.5974,
205.4841, 172.9860


 11.6685, 6.8551,
3.0828


 41.0067, 29.7924,
19.4727


 6.5890, 3.3716,
1.1371


 56.7038, 42.8818,
29.8487


 3.2504, 1.3287,
0.0000


 75.9687, 59.3336,
43.3787

 1.2875, 0.1633,
0.0000

 99.1667, 79.5324,
60.4811

 0.1739, 0.0000,
0.0000

 126.6633,
103.8624, 81.5744

 0.0000, 0.0000,
0.0000

 158.8236,

132.7081, 107.0774

196.0132,
166.4539, 137.4084

■ 18.8544, 12.1634,
6.5083

■ 18.8544, 12.1634,
6.5083

■ 17.6668, 10.4462,
4.0840

■ 20.4597, 14.5006,
9.7367

■ 16.8572, 9.2883,
2.3926

■ 22.5158, 17.5070,
13.8307

■ 16.3802, 8.6203,
1.3516

■ 25.0533, 21.2293,
18.8468

■ 16.1830, 8.3386,
0.9384

■ 28.1001, 25.7094,
24.8364

■ 31.6817, 30.9859,
31.8470

■ 35.8222, 37.0948,
39.9232

■ 40.5439, 44.0700,
49.1068

■ 45.8683, 51.9434,
59.4375

■ 51.8154, 60.7454,
70.9529

Harmonies

Analogous

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



19.7549, 12.1634, 14.8433



18.8544, 12.1634, 6.5083



15.8617, 12.1634, 2.8043

Triad

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



18.8544, 12.1634, 6.5083



6.8135, 12.1634, 4.9854



11.0318, 12.1634, 43.7065

Complementary

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



18.8544, 12.1634, 6.5083



22.6909, 31.7099, 40.0492

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.



8.1176, 12.1634, 36.6510



18.8544, 12.1634, 6.5083



6.0190, 12.1634, 11.7637

Square

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



18.8544, 12.1634, 6.5083



8.8754, 12.1634, 2.2923



6.4426, 12.1634, 23.5127



14.7400, 12.1634, 39.7691

Rectangle

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



18.8544, 12.1634, 6.5083



13.3532, 12.1634, 1.9200



6.4426, 12.1634, 23.5127



9.9367, 12.1634, 42.4719

Sweetspot

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



18.8547, 12.1641, 6.5085



53.3085, 50.0645, 49.6094



23.8337, 14.0280, 38.4970



11.2457, 10.3622, 10.0813



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.8547, 12.1641, 6.5085



31.3473, 17.9343, 5.9353



22.5620, 19.7606, 7.1834



7.5421, 7.5467, 7.9061



12.2252, 6.2988, 0.7315



0.3009, 0.1546, 0.0361

Inverse Universe

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



18.8547, 12.1641, 6.5085



31.3473, 17.9343, 5.9353



15.8078, 17.3573, 39.5626



7.5421, 7.5467, 7.9061



12.2252, 6.2988, 0.7315



0.3009, 0.1546, 0.0361

Previews

White Background



This preview shows how the XYZ color 18.8544, 12.1634, 6.5083 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 18.8544, 12.1634, 6.5083 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 18.8544, 12.1634, 6.5083

Background



This preview shows how black text looks on a background with the XYZ color 18.8544, 12.1634, 6.5083.



This preview shows how white text looks on a background with the XYZ color 18.8544, 12.1634,

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

18.8544, 12.1634, 6.5083

Protanopia

11.5996, 12.2876, 9.7430

Deuteranopia

12.4528, 12.2643, 6.1258



Tritanopia

18.8544, 12.1634, 6.5083

Trichromacy



Original Color

18.8544, 12.1634, 6.5083

Protanomaly

13.3054, 11.5308, 8.3619

Deuteranomaly

14.2310, 11.7118, 6.2132

Tritanomaly

18.8544, 12.1634, 6.5083

Monochromacy



Original Color

18.8544, 12.1634, 6.5083

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.5027, 10.7396, 9.8015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8544, 12.1634, 6.5083 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(168, 62, 66)` looks like.

```
.text, #text, p{  
    color:rgb(168, 62, 66)  
}
```

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(168, 62, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 62, 66) }
```

Border

The CSS property to change the border of an element to XYZ 18.8544, 12.1634, 6.5083 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(168, 62, 66) }
```


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

```
.border{ border-color:rgb(168, 62, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 62, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 62, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 62, 66);  
box-shadow:4px 4px 4px 4px rgb(168, 62,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8544, 12.1634, 6.5083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 62, 66) }
```

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

```
.background{ background-color: rgb(168, 62,  
66) }
```

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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