

Converting Colors

XYZ(23.8964, 18.1924, 6.4920)

Have a look what the booklet for
XYZ(23.8964, 18.1924, 6.4920)
contains.

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Color

**XYZ(23.8744, 18.1554,
6.5210)**

Conversions

Conversions Part 1

Format	Color
Hex	B55E3C
RGB	181, 94, 60
RGB Percent	71%, 37%, 24%
CMY	0.2902, 0.6314, 0.7647
CMYK	0.00, 0.48, 0.67, 0.29
HSL	17°, 50%, 47%
HSV	17°, 67%, 71%
XYZ	23.8744, 18.1554, 6.5210
YIQ	116.1370, 62.7660, 7.8700

Conversions

Conversions Part 2

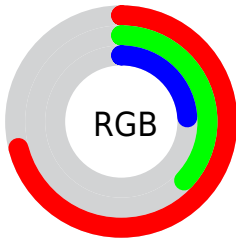
Format	Color
RYB	181, 107, 60
Decimal	11886140
CIELab	49.68, 32.36, 35.00
CIELCh	50, 47.664, 47.247
Yxy	18.1554, 0.4917, 0.3739
Android (android.graphics.Color)	4290076220 (0xFFB55E3C)
YUV	116.1370, -27.6755, 56.8849
Hunter-Lab	42.6092, 25.4496, 20.7525

Details

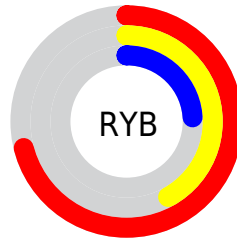
The XYZ color **23.8744, 18.1554, 6.5210** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **20.6370, 25.1629, 47.4851**, and the grayscale version is **16.7118, 17.5821, 19.1469**.

A 20% lighter version of the original color is **49.2613, 40.3413, 19.3776**, and **9.1930, 6.1222, 1.1491** is the 20% darker color. If you saturate the color by 10%, you get **22.4140, 15.8739, 4.0639**, and if you desaturate by 10%, it is **25.6944, 20.8946, 9.9056**.

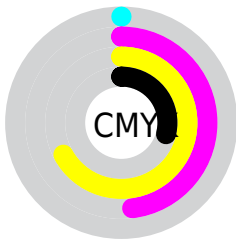
Distribution



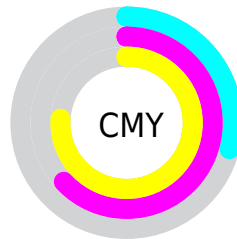
- Red (71%)
- Green (37%)
- Blue (24%)



- Red (71%)
- Yellow (42%)
- Blue (24%)



- Cyan (0%)
- Magenta (48%)
- Yellow (67%)
- Black (29%)





- Cyan (29%)
- Magenta (63%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8744, 18.1554, 6.5210 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 23.8744, 18.1554, 6.5210 by changing the saturation by 10% instead.


 23.8744, 18.1554,
6.5210


 23.8744, 18.1554,
6.5210


264.6371,
241.7455, 173.0991


 15.3647, 11.0616,
3.0905


 49.2813, 40.3019,
19.4991


 9.1637, 6.1083,
1.1410


 66.9093, 56.1235,
29.8838

 4.9061, 2.9110,
0.0000

 88.3074, 75.6231,
43.4236

 2.2265, 1.0855,
0.0000

 113.8409, 99.1851,
60.5372

 0.7566, 0.0000,
0.0000

 143.8753,
127.1940, 81.6429

 0.0000, 0.0000,
0.0000

 178.7759,

160.0341, 107.1595

218.9081,
198.0898, 137.5054

■ 23.8744, 18.1554,
6.5210

■ 23.8744, 18.1554,
6.5210

■ 22.4140, 15.8739,
4.0639

■ 25.6944, 20.8946,
9.9056

■ 21.2846, 14.0205,
2.4378

■ 27.8969, 24.1126,
14.2988

■ 20.4518, 12.5653,
1.5111

■ 30.5042, 27.8330,
19.7742

■ 20.2340, 12.1797,
1.2845

■ 33.5363, 32.0766,
26.3978

■ 37.0120, 36.8630,
34.2307

■ 40.9488, 42.2109,
43.3293

■ 45.3633, 48.1380,
53.7467

■ 50.2711, 54.6613,
65.5328

■ 55.6873, 61.7970,
78.7350

Harmonies

Analogous

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



26.9896, 18.1554, 13.2528



23.8744, 18.1554, 6.5210



19.2525, 18.1554, 4.0497

Triad

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



23.8744, 18.1554, 6.5210



10.0752, 18.1554, 14.7542



19.9713, 18.1554, 54.4715

Complementary

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



23.8744, 18.1554, 6.5210



20.6370, 25.1629, 47.4851

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.



15.4028, 18.1554, 55.4731



23.8744, 18.1554, 6.5210



10.1992, 18.1554, 28.1304

Square

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



23.8744, 18.1554, 6.5210



11.6151, 18.1554, 7.2042



11.9902, 18.1554, 44.3435



24.4794, 18.1554, 42.0142

Rectangle

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



23.8744, 18.1554, 6.5210



16.1800, 18.1554, 3.9067



11.9902, 18.1554, 44.3435



18.3791, 18.1554, 56.3056

Sweetspot

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



23.8748, 18.1564, 6.5213



64.0271, 62.9220, 56.1669



26.0755, 15.2170, 29.8852



13.4661, 13.0869, 11.3001



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.8748, 18.1564, 6.5213



39.1655, 26.8487, 5.7989



31.2247, 32.8562, 8.9713



8.6844, 8.8813, 8.9091



14.0007, 8.4999, 0.9027



0.4911, 0.3687, 0.0453

Inverse Universe

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



20.6370, 25.1629, 47.4851



32.8048, 39.9745, 84.2815



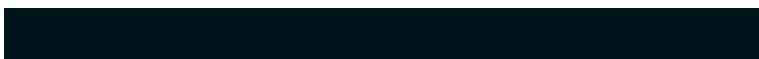
13.7130, 11.3148, 45.1771



8.5368, 9.2198, 10.8360



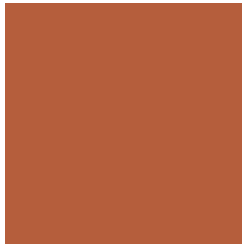
11.3259, 13.4523, 32.1366



0.4027, 0.5159, 1.0266

Previews

White Background



This preview shows how the XYZ color 23.8744, 18.1554, 6.5210 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 23.8744, 18.1554, 6.5210 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 23.8744, 18.1554, 6.5210

Background



This preview shows how black text looks on a background with the XYZ color 23.8744, 18.1554, 6.5210.



This preview shows how white text looks on a background with the XYZ color 23.8744, 18.1554,

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

23.8744, 18.1554, 6.5210

Protanopia

16.8461, 18.3568, 8.1242

Deuteranopia

18.6516, 18.2988, 6.2904



Tritanopia

25.2959, 18.2241, 13.2507

Trichromacy



Original Color

23.8744, 18.1554, 6.5210

Protanomaly

18.9245, 17.9231, 7.4631

Deuteranomaly

20.1906, 17.9744, 6.2761

Tritanomaly

24.5938, 18.0518, 10.3717

Monochromacy



Original Color

23.8744, 18.1554, 6.5210

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.2891, 17.1451, 13.4117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8744, 18.1554, 6.5210 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(181, 94, 60)` looks like.

```
.text, #text, p{  
    color:rgb(181, 94, 60)  
}
```

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(181, 94, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 94, 60) }
```

Border

The CSS property to change the border of an element to XYZ 23.8744, 18.1554, 6.5210 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(181, 94, 60) }
```


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

```
.border{ border-color:rgb(181, 94, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 94, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 94, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 94, 60);  
box-shadow:4px 4px 4px 4px rgb(181, 94,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8744, 18.1554, 6.5210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 94, 60) }
```

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

```
.background{ background-color: rgb(181, 94,  
60) }
```

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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