

Converting Colors

XYZ(18.7662, 10.5365, 2.4111)

Have a look what the booklet for
XYZ(18.7662, 10.5365, 2.4111)
contains.

XYZ(18.7662, 10.5365, 2.4111)	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(18.7662, 10.5365,
2.4111)**

Conversions

Conversions Part 1

Format	Color
Hex	B02320
RGB	176, 35, 32
RGB Percent	69%, 14%, 13%
CMY	0.3098, 0.8627, 0.8745
CMYK	0.00, 0.80, 0.82, 0.31
HSL	1°, 69%, 41%
HSV	1°, 82%, 69%
XYZ	18.7662, 10.5365, 2.4111
YIQ	76.8170, 84.9990, 28.9590

Conversions

Conversions Part 2

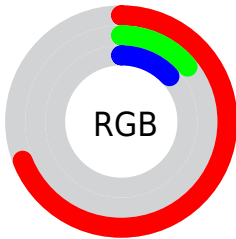
Format	Color
R_{YB}	176, 35, 32
Decimal	11543328
CIE Lab	38.79, 54.99, 38.30
CIE LCh	39, 67.015, 34.856
Yxy	10.5365, 0.5917, 0.3322
Android (android.graphics.Color)	4289733408 (0xFFB02320)
YUV	76.8170, -22.0948, 86.9835
Hunter-Lab	32.4600, 46.3919, 18.3180

Details

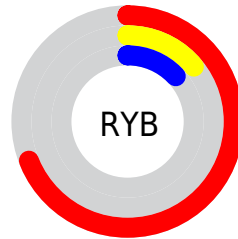
The XYZ color **18.7662, 10.5365, 2.4111** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **23.3728, 33.3231, 46.2740**, and the grayscale version is **7.0499, 7.4170, 8.0771**.

A 20% lighter version of the original color is **40.9745, 26.9062, 10.2415**, and **7.0702, 3.6448, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **18.1991, 9.6884, 1.3407**, and if you desaturate by 10%, it is **19.7104, 11.9348, 4.2373**.

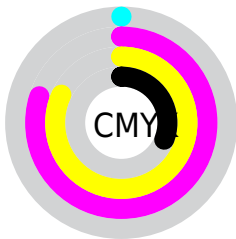
Distribution



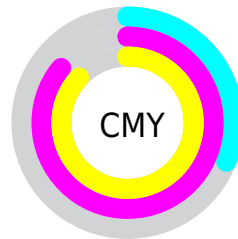
- Red (69%)
- Green (14%)
- Blue (13%)



- Red (69%)
- Yellow (14%)
- Blue (13%)



- Cyan (0%)
- Magenta (80%)
- Yellow (82%)
- Black (31%)



- Cyan (31%)
- Magenta (86%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7662, 10.5365, 2.4111 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 18.7662, 10.5365, 2.4111 by changing the saturation by 10% instead.

■ 18.7662, 10.5365,
2.4111

■ 18.7662, 10.5365,
2.4111

238.1180,
194.4594, 128.4652

■ 11.6045, 5.7561,
0.7925

■ 40.8586, 26.7998,
10.1370

■ 6.5452, 2.6973,
0.0000

■ 56.5200, 39.0515,
17.0913

■ 3.2231, 0.9758,
0.0000

■ 75.7452, 54.5625,
26.6647

■ 1.2728, 0.0000,
0.0000

■ 98.8998, 73.7171,
39.2756

■ 0.1627, 0.0000,
0.0000


■ 126.3490, 96.8996,
55.3425


■ 0.0000, 0.0000,
0.0000


■ 158.4582,


124.4946, 75.2841

 195.5927,
156.8864, 99.5188


 18.7662, 10.5365,
2.4111


 18.7662, 10.5365,
2.4111


 18.1991, 9.6884,
1.3407


 19.7104, 11.9348,
4.2373

 17.9443, 9.3100,
0.8512

 21.0810, 13.9528,
6.9237

 22.9206, 16.6519,
10.5587

 25.2667, 20.0858,
15.2197

 28.1526, 24.3025,
20.9761

■ 31.6092, 29.3462,
27.8913

■ 35.6646, 35.2577,
36.0238

■ 40.3456, 42.0751,
45.4281

■ 45.6768, 49.8344,
56.1557

Harmonies

Analogous

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



21.1380, 10.5365, 9.5271



18.7662, 10.5365, 2.4111



14.0914, 10.5365, 0.4343

Triad

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



18.7662, 10.5365, 2.4111



4.1097, 10.5365, 3.9110



10.7538, 10.5365, 57.0517

Complementary

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



18.7662, 10.5365, 2.4111



23.3728, 33.3231, 46.2740

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.



6.8114, 10.5365, 50.8090



18.7662, 10.5365, 2.4111



3.6952, 10.5365, 13.6661

Square

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



18.7662, 10.5365, 2.4111



5.8896, 10.5365, 0.8309



4.5212, 10.5365, 31.8497



15.7201, 10.5365, 45.4360

Rectangle

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



18.7662, 10.5365, 2.4111



10.7986, 10.5365, 0.0092



4.5212, 10.5365, 31.8497



9.2695, 10.5365, 57.0205

Sweetspot

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



18.7664, 10.5371, 2.4113



54.9374, 49.7360, 45.7972



26.0217, 13.3034, 41.0361



11.4432, 10.1035, 8.9996



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.



18.7664, 10.5371, 2.4113



32.5989, 16.9523, 1.6858



23.3603, 19.7249, 3.9425



8.5101, 8.5328, 8.8510



13.1716, 6.8418, 0.6264



0.4191, 0.2247, 0.0213

Inverse Universe

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



23.3728, 33.3231, 46.2740



41.1395, 59.4531, 83.8026



13.1441, 12.8658, 42.8644



8.7271, 9.6004, 10.8994



16.6239, 24.0481, 33.9026



0.5278, 0.7662, 1.0683

Previews

White Background



This preview shows how the XYZ color 18.7662, 10.5365, 2.4111 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



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 18.7662, 10.5365, 2.4111

Background



This preview shows how black text looks on a background with the XYZ color 18.7662, 10.5365, 2.4111.



This preview shows how white text looks on a background with the XYZ color 18.7662, 10.5365,

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

18.7662, 10.5365, 2.4111

Protanopia

9.9069, 10.8587, 4.2631

Deuteranopia

10.9350, 10.8050, 2.0815



Tritanopia

18.7943, 10.5477, 2.5587

Trichromacy



Original Color

18.7662, 10.5365, 2.4111

Protanomaly

11.7885, 9.4690, 3.3969

Deuteranomaly

12.7640, 9.7214, 2.0143

Tritanomaly

18.7800, 10.5420, 2.4838

Monochromacy



Original Color

18.7662, 10.5365, 2.4111

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

9.3750, 7.2929, 5.3284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7662, 10.5365, 2.4111 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(176, 35, 32)` looks like.

```
.text, #text, p{  
    color:rgb(176, 35, 32)  
}
```

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(176, 35, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 35, 32) }
```

Border

The CSS property to change the border of an element to XYZ 18.7662, 10.5365, 2.4111 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(176, 35, 32) }
```


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

```
.border{ border-color:rgb(176, 35, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 35, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 35, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 35, 32);  
box-shadow:4px 4px 4px 4px rgb(176, 35,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7662, 10.5365, 2.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 35, 32) }
```

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

```
.background{ background-color: rgb(176, 35,  
32) }
```

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