

Converting Colors

XYZ(17.8714, 10.7278, 1.8148)

Have a look what the booklet for
XYZ(17.8714, 10.7278, 1.8148)
contains.

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Color

**XYZ(17.9465, 10.7451,
1.8376)**

Conversions

Conversions Part 1

Format	Color
Hex	AB2F15
RGB	171, 47, 21
RGB Percent	67%, 18%, 8%
CMY	0.3294, 0.8157, 0.9176
CMYK	0.00, 0.73, 0.88, 0.33
HSL	10°, 78%, 38%
HSV	10°, 88%, 67%
XYZ	17.9465, 10.7451, 1.8376
YIQ	81.1120, 82.2500, 18.2020

Conversions

Conversions Part 2

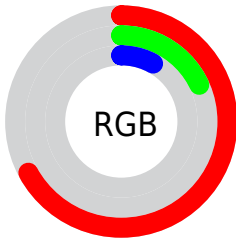
Format	Color
R_{YB}	171, 52, 21
Decimal	11218709
CIE Lab	39.15, 49.14, 43.78
CIE LCh	39, 65.815, 41.699
Yxy	10.7451, 0.5878, 0.3520
Android (android.graphics.Color)	4289408789 (0xFFAB2F15)
YUV	81.1120, -29.6352, 78.8318
Hunter-Lab	32.7797, 40.3621, 19.6221

Details

The XYZ color **17.9465, 10.7451, 1.8376** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **17.7842, 23.3481, 42.0972**, and the grayscale version is **7.8893, 8.3002, 9.0389**.

A 20% lighter version of the original color is **39.3013, 27.0484, 8.6183**, and **6.4304, 3.3150, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **17.3562, 9.7471, 1.0786**, and if you desaturate by 10%, it is **18.8224, 12.1513, 3.1957**.

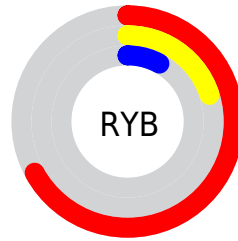
Distribution



Red (67%)

Green (18%)

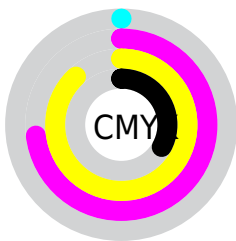
Blue (8%)



Red (67%)

Yellow (20%)

Blue (8%)

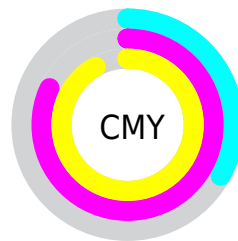


Cyan (0%)

Magenta (73%)

Yellow (88%)

Black (33%)



Cyan (33%)


Magenta (82%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.9465, 10.7451, 1.8376 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 17.9465, 10.7451, 1.8376 by changing the saturation by 10% instead.


 17.9465, 10.7451,
1.8376


 17.9465, 10.7451,
1.8376


233.6207,
195.9103, 119.8018


 11.0110, 5.8957,
0.4526


 39.4769, 27.1878,
8.5919

 6.1416, 2.7818,
0.0000


 54.8026, 39.5500,
14.8834


 2.9729, 1.0189,
0.0000

 73.6558, 55.1851,
23.6759

 1.1394, 0.0000,
0.0000

 96.4017, 74.4777,
35.3879


 0.0577, 0.0000,
0.0000


 123.4058, 97.8122,
50.4379


 0.0000, 0.0000,
0.0000


 155.0335,


125.5728, 69.2446


 191.6500,
158.1441, 92.2263


 17.9465, 10.7451,
1.8376


 17.9465, 10.7451,
1.8376


 17.3562, 9.7471,
1.0786


 18.8224, 12.1513,
3.1957

 17.2499, 9.5687,
0.9378

 20.0240, 14.0057,
5.2877

 21.5810, 16.3435,
8.1997

 23.5196, 19.1960,
12.0053

 25.8634, 22.5915,
16.7701

■ 28.6342, 26.5566,
22.5535

■ 31.8518, 31.1157,
29.4099

■ 35.5352, 36.2923,
37.3902

■ 39.7021, 42.1080,
46.5415

Harmonies

Analogous

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



20.9756, 10.7451, 7.4324



17.9465, 10.7451, 1.8376



13.1150, 10.7451, 0.3503

Triad

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



17.9465, 10.7451, 1.8376



4.0905, 10.7451, 5.6087



12.0314, 10.7451, 55.2587

Complementary

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



17.9465, 10.7451, 1.8376



17.7842, 23.3481, 42.0972

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.



7.7740, 10.7451, 53.2451



17.9465, 10.7451, 1.8376



3.9546, 10.7451, 17.3496

Square

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



17.9465, 10.7451, 1.8376



5.5453, 10.7451, 1.3197



5.0981, 10.7451, 36.4448



16.9592, 10.7451, 40.8299

Rectangle

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



17.9465, 10.7451, 1.8376



9.9635, 10.7451, 0.1195



5.0981, 10.7451, 36.4448



10.4665, 10.7451, 56.6611

Sweetspot

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



17.9467, 10.7457, 1.8378



51.9633, 48.5302, 41.8305



22.2510, 11.2696, 28.1966



11.1896, 10.2550, 8.4885



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.9467, 10.7457, 1.8378



30.7864, 16.9221, 1.6437



23.7673, 22.3868, 3.7779



8.1134, 8.2315, 8.3746



13.0319, 7.2694, 0.7163



0.3954, 0.2679, 0.0309

Inverse Universe

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



17.7842, 23.3481, 42.0972



30.1777, 39.2918, 74.9954



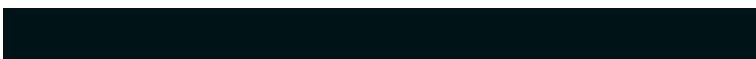
9.9132, 7.6063, 39.4736



8.1164, 8.8322, 10.2297



12.7947, 16.7233, 31.5981



0.3865, 0.5264, 0.8892

Previews

White Background



This preview shows how the XYZ color 17.9465, 10.7451, 1.8376 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 17.9465, 10.7451, 1.8376

Background



This preview shows how black text looks on a background with the XYZ color 17.9465, 10.7451, 1.8376.



This preview shows how white text looks on a background with the XYZ color 17.9465, 10.7451,

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

17.9465, 10.7451, 1.8376

Protanopia

9.9723, 11.0527, 2.9743

Deuteranopia

11.0436, 10.9963, 1.5404



Tritanopia

18.4071, 10.7693, 3.6933

Trichromacy



Original Color

17.9465, 10.7451, 1.8376

Protanomaly

11.7656, 9.9808, 2.4050

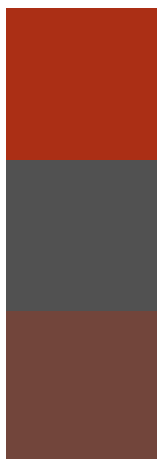
Deuteranomaly

12.8091, 10.2335, 1.5299

Tritanomaly

18.2856, 10.7810, 2.8674

Monochromacy



Original Color

17.9465, 10.7451, 1.8376

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.8570, 8.1494, 5.1911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9465, 10.7451, 1.8376 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(171, 47, 21)` looks like.

```
.text, #text, p{  
    color:rgb(171, 47, 21)  
}
```

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(171, 47, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 47, 21) }
```

Border

The CSS property to change the border of an element to XYZ 17.9465, 10.7451, 1.8376 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(171, 47, 21) }
```


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

```
.border{ border-color:rgb(171, 47, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 47, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 47, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 47, 21);  
box-shadow:4px 4px 4px 4px rgb(171, 47,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9465, 10.7451, 1.8376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 47, 21) }
```

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

```
.background{ background-color: rgb(171, 47,  
21) }
```

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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