

Converting Colors

XYZ(51.1023, 45.1272, 18.1005)

Have a look what the booklet for
XYZ(51.1023, 45.1272, 18.1005)
contains.

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Color

**XYZ(51.1558, 45.2860,
18.1015)**

Conversions

Conversions Part 1

Format	Color
Hex	F0A264
RGB	240, 162, 100
RGB Percent	94%, 64%, 39%
CMY	0.0588, 0.3647, 0.6078
CMYK	0.00, 0.32, 0.58, 0.06
HSL	27°, 82%, 67%
HSV	27°, 58%, 94%
XYZ	51.1558, 45.2860, 18.1015
YIQ	178.2540, 66.3900, -2.7460

Conversions

Conversions Part 2

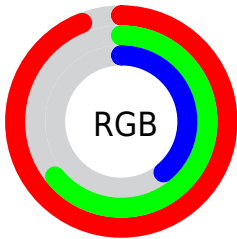
Format	Color
R_{YB}	240, 211, 100
Decimal	15770212
CIE _{Lab}	73.08, 22.75, 43.61
CIE _{LCh}	73, 49.190, 62.454
Yxy	45.2860, 0.4466, 0.3954
Android (android.graphics.Color)	4293960292 (0xFFFF0A264)
YUV	178.2540, -38.5792, 54.1512
Hunter-Lab	67.2949, 17.9250, 31.1581

Details

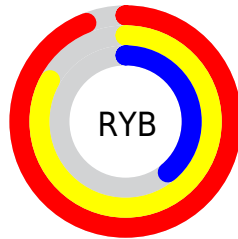
The XYZ color **51.1558, 45.2860, 18.1015** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **36.9033, 40.8396, 88.3756**, and the grayscale version is **42.6259, 44.8457, 48.8370**.

A 20% lighter version of the original color is **71.7204, 73.1527, 40.0456**, and **24.9959, 21.0942, 5.8861** is the 20% darker color. If you saturate the color by 10%, you get **47.9296, 40.4269, 12.1149**, and if you desaturate by 10%, it is **54.9767, 50.7874, 25.9748**.

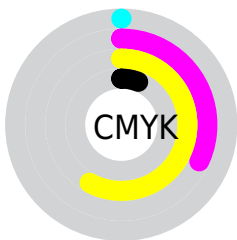
Distribution



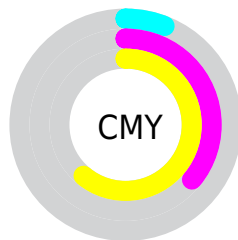
- Red (94%)
- Green (64%)
- Blue (39%)



- Red (94%)
- Yellow (83%)
- Blue (39%)



- Cyan (0%)
- Magenta (32%)
- Yellow (58%)
- Black (6%)





- Cyan (6%)
- Magenta (36%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1558, 45.2860, 18.1015 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 51.1558, 45.2860, 18.1015 by changing the saturation by 10% instead.


 51.1558, 45.2860,
18.1015


 51.1558, 45.2860,
18.1015


381.5465,
367.9306, 253.6978

 36.5542, 31.6828,
10.8527


 91.0666, 83.1494,
41.0265


 25.0346, 21.1193,
5.8549


 117.1066,
108.1784, 57.5397

 16.2317, 13.2112,
2.6897


 147.6900,
137.7847, 77.9782

 9.7801, 7.5742,
0.9382

 183.1822,
172.3528, 102.7604

 5.3146, 3.8237,
0.0000

223.9486,
212.2670, 132.3050

 2.4696, 1.5754,
0.0000

270.3546,

 0.8800, 0.3410,

257.9118, 167.0304

0.0000

322.7654,
309.6716, 207.3551

■ 0.0000, 0.0000,
0.0000

■ 51.1558, 45.2860,
18.1015

■ 51.1558, 45.2860,
18.1015

■ 47.9296, 40.4269,
12.1149

■ 54.9767, 50.7874,
25.9748

■ 45.2560, 36.1753,
7.8463

■ 59.4238, 56.9500,
35.8783

■ 43.0913, 32.5023,
5.1012

■ 64.5298, 63.8002,
47.9443

■ 41.3750, 29.3701,
3.6032

■ 70.3241, 71.3608,
62.2932

■ 41.1195, 28.8942,
3.4099

■ 76.8338, 79.6531,
79.0365

■ 84.0849, 88.6978,
98.2781

■ 89.7451, 97.2652,
108.6517

Harmonies

Analogous

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



58.5658, 45.2860, 28.0043



51.1558, 45.2860, 18.1015



42.3387, 45.2860, 15.5052

Triad

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



51.1558, 45.2860, 18.1015



28.5404, 45.2860, 51.3649



52.5445, 45.2860, 101.0654

Complementary

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



51.1558, 45.2860, 18.1015



36.9033, 40.8396, 88.3756

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.



43.7551, 45.2860, 113.4050



51.1558, 45.2860, 18.1015



30.5383, 45.2860, 79.3522

Square

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



51.1558, 45.2860, 18.1015



29.9784, 45.2860, 30.4832



35.8367, 45.2860, 104.3735



59.4397, 45.2860, 74.6251

Rectangle

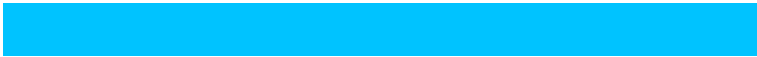
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.1558, 45.2860, 18.1015



37.0288, 45.2860, 17.2045



35.8367, 45.2860, 104.3735



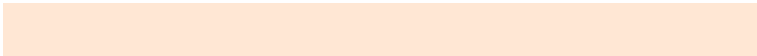
49.6755, 45.2860, 107.3343

Sweetspot

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



51.1569, 45.2883, 18.1024



81.6134, 83.0635, 73.7875



48.6630, 30.9082, 46.2262



17.1633, 17.3858, 15.0216



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



51.1569, 45.2883, 18.1024



54.3762, 45.4173, 12.8294



66.7181, 76.4107, 23.2894



16.3490, 16.9111, 16.5522



22.6374, 16.0729, 1.9093



1.9808, 1.5324, 0.1914

Inverse Universe

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



36.9033, 40.8396, 88.3756



36.5846, 39.8054, 100.3627



26.4884, 20.0096, 84.9040



15.6276, 16.6894, 20.1193



13.3892, 13.0027, 46.9320



1.2129, 1.2798, 3.9373

Previews

White Background



This preview shows how the XYZ color 51.1558, 45.2860, 18.1015 looks on a white background.

Color Contrast Check

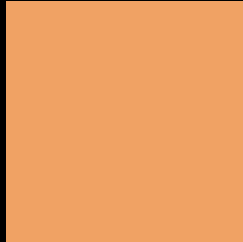
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 51.1558, 45.2860, 18.1015 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1558, 45.2860, 18.1015

Background



This preview shows how black text looks on a background with the XYZ color 51.1558, 45.2860, 18.1015.



This preview shows how white text looks on a background with the XYZ color 51.1558, 45.2860,

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

51.1558, 45.2860, 18.1015

Protanopia

41.9487, 45.5534, 20.2174

Deuteranopia

46.2827, 45.2233, 17.8449



Tritanopia

56.0947, 45.2769, 41.8592

Trichromacy



Original Color

51.1558, 45.2860, 18.1015

Protanomaly

44.8828, 45.0328, 19.4233

Deuteranomaly

47.9333, 45.2370, 18.0096

Tritanomaly

53.9016, 45.1216, 31.4596

Monochromacy



Original Color

51.1558, 45.2860, 18.1015

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.3449, 44.1246, 35.0338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1558, 45.2860, 18.1015 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(240, 162, 100)` looks like.

```
.text, #text, p{  
    color:rgb(240, 162, 100)  
}
```

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(240, 162, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 162, 100) }
```

Border

The CSS property to change the border of an element to XYZ 51.1558, 45.2860, 18.1015 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(240, 162, 100) }
```


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

```
.border{ border-color:rgb(240, 162, 100) }
```

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

Here you see how a box with a 4 pixel rgb(240, 162, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 162, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 162, 100);  
box-shadow:4px 4px 4px 4px rgb(240, 162,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1558, 45.2860, 18.1015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 162, 100) }
```

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

```
.background{ background-color: rgb(240,  
162, 100) }
```

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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