

Converting Colors

XYZ(51.2096, 35.9561, 21.4168)

Have a look what the booklet for
XYZ(51.2096, 35.9561, 21.4168)
contains.

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Color

**XYZ(51.2265, 36.0009,
21.3885)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7876
RGB	255, 120, 118
RGB Percent	100%, 47%, 46%
CMY	0.0000, 0.5294, 0.5373
CMYK	0.00, 0.53, 0.54, 0.00
HSL	1°, 100%, 73%
HSV	1°, 54%, 100%
XYZ	51.2265, 36.0009, 21.3885
YIQ	160.1370, 81.1020, 27.9980

Conversions

Conversions Part 2

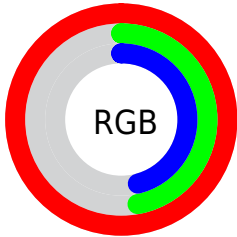
Format	Color
R_{YB}	255, 120, 118
Decimal	16742518
CIE _{Lab}	66.52, 51.21, 26.02
CIE _{LCh}	67, 57.438, 26.932
Yxy	36.0009, 0.4716, 0.3315
Android (android.graphics.Color)	4294932598 (0xFFFF7876)
YUV	160.1370, -20.7735, 83.1949
Hunter-Lab	60.0007, 47.3956, 20.8654

Details

The XYZ color **51.2265, 36.0009, 21.3885** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **60.6443, 81.3176, 107.1070**, and the grayscale version is **33.5445, 35.2914, 38.4324**.

A 20% lighter version of the original color is **63.8257, 54.8222, 45.2480**, and **25.0460, 15.6761, 7.5001** is the 20% darker color. If you saturate the color by 10%, you get **47.2752, 30.2045, 13.5788**, and if you desaturate by 10%, it is **56.3818, 43.5502, 31.6204**.

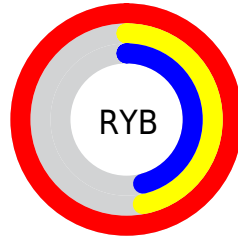
Distribution



Red (100%)

Green (47%)

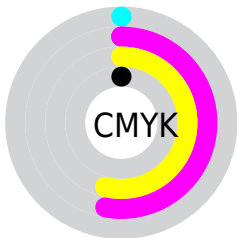
Blue (46%)



Red (100%)

Yellow (47%)

Blue (46%)

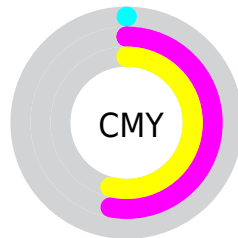


Cyan (0%)

Magenta (53%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2265, 36.0009, 21.3885 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 51.2265, 36.0009, 21.3885 by changing the saturation by 10% instead.


 51.2265, 36.0009,
21.3885


 51.2265, 36.0009,
21.3885


381.8163,
328.9645, 272.1846

 36.6107, 24.4349,
13.2143


 91.1705, 69.0335,
46.6224

 25.0785, 15.6565,
7.4438


 117.2294, 91.2688,
64.5191

 16.2646, 9.2814,
3.6585


 147.8333,
117.8294, 86.4937

 9.8036, 4.9252,
1.4400

183.3476,
149.0996, 112.9648

 5.3302, 2.2034,
0.1726

224.1378,
185.4638, 144.3509

 2.4790, 0.7219,
0.0000

270.5690,

 0.8847, 0.0000,

227.3064, 181.0705

0.0000

323.0068,
275.0118, 223.5422

■ 0.0000, 0.0000,
0.0000

■ 51.2265, 36.0009,
21.3885

■ 51.2265, 36.0009,
21.3885

■ 47.2752, 30.2045,
13.5788

■ 56.3818, 43.5502,
31.6204

■ 44.4279, 26.0149,
7.9901

■ 62.8251, 52.9719,
44.4500

■ 42.5732, 23.2721,
4.3921

■ 70.6358, 64.3815,
60.0384

■ 41.5749, 21.7803,
2.5030

■ 79.8865, 77.8837,
78.5334

■ 41.2804, 21.3410,
1.9435

■ 90.6443, 93.5759,
100.0722

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



53.5833, 36.0009, 41.7954



51.2265, 36.0009, 21.3885



44.0830, 36.0009, 11.3561

Triad

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



51.2265, 36.0009, 21.3885



22.1213, 36.0009, 18.5820



33.3381, 36.0009, 108.2840

Complementary

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



51.2265, 36.0009, 21.3885



60.6443, 81.3176, 107.1070

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.



25.9464, 36.0009, 93.9608



51.2265, 36.0009, 21.3885



20.1906, 36.0009, 36.7122

Square

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



51.2265, 36.0009, 21.3885



27.2455, 36.0009, 10.2795



21.4645, 36.0009, 64.8726



42.2883, 36.0009, 98.5862

Rectangle

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



51.2265, 36.0009, 21.3885



38.1045, 36.0009, 8.7559



21.4645, 36.0009, 64.8726



30.6048, 36.0009, 106.0134

Sweetspot

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



51.2274, 36.0028, 21.3891



77.6521, 74.6232, 74.0633



65.7684, 41.4370, 99.1392



16.2022, 15.3616, 15.0156



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.



51.2274, 36.0028, 21.3891



47.1827, 30.0686, 13.3964



62.1745, 57.8970, 25.0382



18.0307, 18.0296, 18.6741



21.5792, 11.1696, 1.0186



2.1083, 1.1019, 0.1016

Inverse Universe

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



60.6443, 81.3176, 107.1070



57.4457, 79.4891, 106.9230



43.1858, 46.4006, 101.2875



18.5307, 20.4331, 23.2173



27.5107, 39.9309, 55.6921



2.6857, 3.9020, 5.4249

Previews

White Background



This preview shows how the XYZ color 51.2265, 36.0009, 21.3885 looks on a white background.

Color Contrast Check

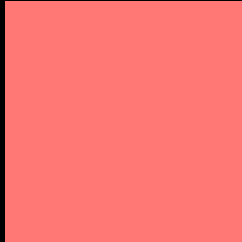
Large Text (above 18pt) WCAG AA × Fail

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 51.2265, 36.0009, 21.3885 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 51.2265, 36.0009, 21.3885

Background



This preview shows how black text looks on a background with the XYZ color 51.2265, 36.0009, 21.3885.



This preview shows how white text looks on a background with the XYZ color 51.2265, 36.0009,

21.3885.

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

51.2265, 36.0009, 21.3885

Protanopia

34.2303, 36.3047, 28.8703

Deuteranopia

36.8941, 36.0819, 20.3492



Tritanopia

51.6676, 35.9860, 24.3015

Trichromacy



Original Color

51.2265, 36.0009, 21.3885

Protanomaly

38.8201, 35.0357, 25.8356

Deuteranomaly

41.0292, 35.1598, 20.5436

Tritanomaly

51.4749, 35.9089, 23.2869

Monochromacy



Original Color

51.2265, 36.0009, 21.3885

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

37.7419, 33.8972, 31.3417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2265, 36.0009, 21.3885 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(255, 120, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 118)  
}
```

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(255, 120, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 118) }
```

Border

The CSS property to change the border of an element to XYZ 51.2265, 36.0009, 21.3885 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(255, 120, 118) }
```


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

```
.border{ border-color:rgb(255, 120, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2265, 36.0009, 21.3885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 118) }
```

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

```
.background{ background-color: rgb(255,  
120, 118) }
```

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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