

Converting Colors

XYZ(59.9943, 40.7497, 20.1601)

Have a look what the booklet for
XYZ(59.9943, 40.7497, 20.1601)
contains.

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Color

**XYZ(51.0020, 36.1046,
19.6100)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7970
RGB	255, 121, 112
RGB Percent	100%, 47%, 44%
CMY	0.0000, 0.5255, 0.5608
CMYK	0.00, 0.53, 0.56, 0.00
HSL	4°, 100%, 72%
HSV	4°, 56%, 100%
XYZ	51.0020, 36.1046, 19.6100
YIQ	160.0400, 82.7530, 25.6090

Conversions

Conversions Part 2

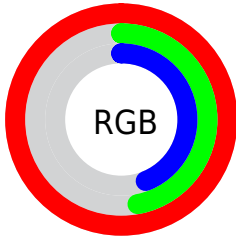
Format	Color
R_{YB}	255, 122, 112
Decimal	16742768
CIE _{Lab}	66.60, 50.27, 29.47
CIE _{LCh}	67, 58.272, 30.377
Yxy	36.1046, 0.4779, 0.3383
Android (android.graphics.Color)	4294932848 (0xFFFF7970)
YUV	160.0400, -23.6837, 83.2799
Hunter-Lab	60.0871, 46.3586, 22.7111

Details

The XYZ color **51.0020, 36.1046, 19.6100** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.6855, 76.5716, 106.3468**, and the grayscale version is **33.5123, 35.2575, 38.3954**.

A 20% lighter version of the original color is **63.4662, 54.9910, 42.3913**, and **24.9249, 15.7219, 6.5714** is the 20% darker color. If you saturate the color by 10%, you get **47.2251, 30.5105, 12.3104**, and if you desaturate by 10%, it is **55.9016, 43.3013, 29.2674**.

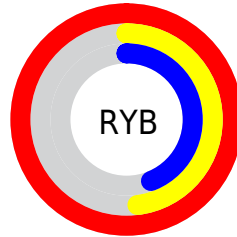
Distribution



Red (100%)

Green (47%)

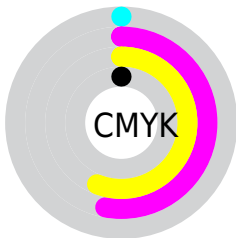
Blue (44%)



Red (100%)

Yellow (48%)

Blue (44%)

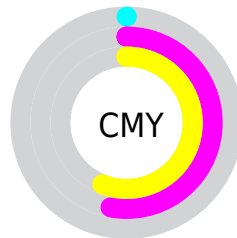


Cyan (0%)

Magenta (53%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0020, 36.1046, 19.6100 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 51.0020, 36.1046, 19.6100 by changing the saturation by 10% instead.


 51.0020, 36.1046,
19.6100


 51.0020, 36.1046,
19.6100


380.9591,
329.4175, 262.3300

 36.4312, 24.5150,
11.9306


 90.8407, 69.1935,
43.6127


 24.9391, 15.7161,
6.5745


 116.8394, 91.4615,
60.7731

 16.1602, 9.3235,
3.1231


 147.3780,
118.0579, 81.9309

 9.7291, 4.9528,
1.1578

 182.8221,
149.3669, 107.5046

 5.2806, 2.2196,
0.0000

223.5369,
185.7730, 137.9129

 2.4493, 0.7306,
0.0000

269.8877,

 0.8697, 0.0000,

227.6605, 173.5741

0.0000

322.2400,
275.4139, 214.9070

■ 0.0000, 0.0000,
0.0000

■ 51.0020, 36.1046,
19.6100

■ 51.0020, 36.1046,
19.6100

■ 47.2251, 30.5105,
12.3104

■ 55.9016, 43.3013,
29.2674

■ 44.4792, 26.3910,
7.1647

■ 62.0008, 52.2043,
41.4594

■ 42.6627, 23.6083,
3.9377

■ 69.3724, 62.9152,
56.3480

■ 41.6516, 21.9958,
2.3375

■ 78.0831, 75.5261,
74.0814

■ 41.4260, 21.6323,
1.9921

■ 88.1946, 90.1229,
94.7969

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



54.0738, 36.1046, 38.9948



51.0020, 36.1046, 19.6100



43.3369, 36.1046, 10.5146

Triad

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



51.0020, 36.1046, 19.6100



21.6541, 36.1046, 19.9583



34.4274, 36.1046, 110.0045

Complementary

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



51.0020, 36.1046, 19.6100



57.6855, 76.5716, 106.3468

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.



26.6434, 36.1046, 97.9514



51.0020, 36.1046, 19.6100



20.0742, 36.1046, 39.6304

Square

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



51.0020, 36.1046, 19.6100



26.4813, 36.1046, 10.6471



21.7358, 36.1046, 69.1123



43.5618, 36.1046, 97.3684

Rectangle

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



51.0020, 36.1046, 19.6100



37.2107, 36.1046, 8.3470



21.7358, 36.1046, 69.1123



31.5761, 36.1046, 108.6638

Sweetspot

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



51.0029, 36.1065, 19.6106



77.2225, 74.2818, 72.3239



63.9540, 39.6164, 92.9606



16.1361, 15.3314, 14.6792



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.



51.0029, 36.1065, 19.6106



46.9304, 30.0710, 11.7491



62.7191, 59.5390, 23.5160



18.1012, 18.1706, 18.6976



21.6808, 11.3729, 1.0525



2.1417, 1.1688, 0.1127

Inverse Universe

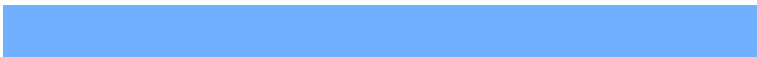
The Inverse Universe completely reimagines the original color for something new.



57.6855, 76.5716, 106.3468



54.1421, 73.9567, 106.0292



40.3262, 41.8530, 100.5603



18.4511, 20.2739, 23.1907



25.5924, 36.0944, 55.0526



2.5203, 3.5713, 5.3698

Previews

White Background



This preview shows how the XYZ color 51.0020, 36.1046, 19.6100 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 51.0020, 36.1046, 19.6100 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 51.0020, 36.1046, 19.6100

Background



This preview shows how black text looks on a background with the XYZ color 51.0020, 36.1046, 19.6100.



This preview shows how white text looks on a background with the XYZ color 51.0020, 36.1046,

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

51.0020, 36.1046, 19.6100

Protanopia

33.9629, 36.2230, 26.3208

Deuteranopia

36.8285, 36.0854, 18.6598



Tritanopia

51.6676, 35.9860, 24.3015

Trichromacy



Original Color

51.0020, 36.1046, 19.6100

Protanomaly

38.3660, 34.8541, 23.4443

Deuteranomaly

41.1445, 35.4793, 18.8670

Tritanomaly

51.4693, 36.0981, 22.6672

Monochromacy



Original Color

51.0020, 36.1046, 19.6100

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

37.7425, 34.1430, 30.5876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0020, 36.1046, 19.6100 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, 121, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 112)  
}
```

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, 121, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 112) }
```

Border

The CSS property to change the border of an element to XYZ 51.0020, 36.1046, 19.6100 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, 121, 112) }
```


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

```
.border{ border-color:rgb(255, 121, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0020, 36.1046, 19.6100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 112) }
```

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

```
.background{ background-color: rgb(255,  
121, 112) }
```

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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