

Converting Colors

XYZ(49.6166, 35.5163, 20.0548)

Have a look what the booklet for
XYZ(49.6166, 35.5163, 20.0548)
contains.

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Color

**XYZ(49.7805, 35.6432,
20.1757)**

Conversions

Conversions Part 1

Format	Color
Hex	FB7A72
RGB	251, 122, 114
RGB Percent	98%, 48%, 45%
CMY	0.0157, 0.5215, 0.5529
CMYK	0.00, 0.51, 0.55, 0.02
HSL	4°, 94%, 72%
HSV	4°, 55%, 98%
XYZ	49.7805, 35.6432, 20.1757
YIQ	159.6590, 79.4520, 24.8600

Conversions

Conversions Part 2

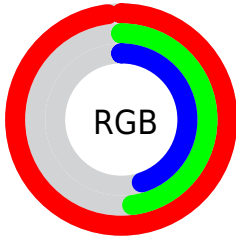
Format	Color
R _Y B	251, 122, 114
Decimal	16480882
CIE Lab	66.25, 48.53, 27.78
CIE LCh	66, 55.916, 29.793
Yxy	35.6432, 0.4714, 0.3375
Android (android.graphics.Color)	4294670962 (0xFFFB7A72)
YUV	159.6590, -22.5099, 80.1061
Hunter-Lab	59.7019, 44.3580, 21.7549

Details

The XYZ color **49.7805, 35.6432, 20.1757** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **56.4006, 74.6394, 102.7008**, and the grayscale version is **33.3324, 35.0683, 38.1894**.

A 20% lighter version of the original color is **63.8451, 55.4575, 43.4158**, and **24.2857, 15.4747, 6.8612** is the 20% darker color. If you saturate the color by 10%, you get **45.9854, 30.0345, 12.8030**, and if you desaturate by 10%, it is **54.6747, 42.8234, 29.8489**.

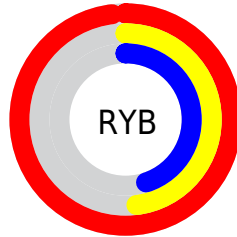
Distribution



Red (98%)

Green (48%)

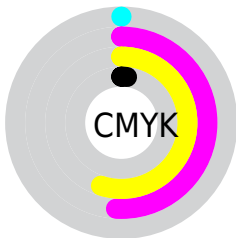
Blue (45%)



Red (98%)

Yellow (48%)

Blue (45%)

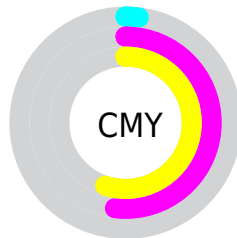


Cyan (0%)

Magenta (51%)

Yellow (55%)

Black (2%)



Cyan (2%)


Magenta (52%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7805, 35.6432, 20.1757 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 49.7805, 35.6432, 20.1757 by changing the saturation by 10% instead.


 49.7805, 35.6432,
20.1757


 49.7805, 35.6432,
20.1757

376.2731,
327.3983, 265.5003

 35.4561, 24.1588,
12.3375


 89.0433, 68.4810,
44.5744

 24.1826, 15.4514,
6.8486


 114.7125, 90.6031,
61.9720

 15.5946, 9.1368,
3.2906


 144.8939,
117.0400, 83.3930

 9.3268, 4.8305,
1.2449

179.9531,
148.1759, 109.2562

 5.0137, 2.1482,
0.0160

220.2552,
184.3953, 139.9800

 2.2902, 0.6915,
0.0000

266.1657,

 0.7896, 0.0000,

226.0826, 175.9829

0.0000

318.0499,
273.6221, 217.6835

■ 0.0000, 0.0000,
0.0000

■ 49.7805, 35.6432,
20.1757

■ 49.7805, 35.6432,
20.1757

■ 45.9854, 30.0345,
12.8030

■ 54.6747, 42.8234,
29.8489

■ 43.2019, 25.8743,
7.5381

■ 60.7415, 51.6747,
41.9900

■ 41.3334, 23.0309,
4.1605

■ 68.0510, 62.2952,
56.7531

■ 40.2631, 21.3457,
2.3994

■ 76.6669, 74.7736,
74.2791

■ 39.9497, 20.8416,
1.9172

■ 86.6487, 89.1929,
94.6990

93.5936, 99.2492,
108.8318

Harmonies

Analogous

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



52.5694, 35.6432, 38.9756



49.7805, 35.6432, 20.1757



42.6001, 35.6432, 11.1183

Triad

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



49.7805, 35.6432, 20.1757



21.8267, 35.6432, 19.9904



33.8199, 35.6432, 105.2012

Complementary

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



49.7805, 35.6432, 20.1757



56.4006, 74.6394, 102.7008

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.



26.4356, 35.6432, 93.5416



49.7805, 35.6432, 20.1757



20.2430, 35.6432, 38.6437

Square

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



49.7805, 35.6432, 20.1757



26.5207, 35.6432, 11.0463



21.7835, 35.6432, 66.3815



42.4833, 35.6432, 93.8402

Rectangle

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



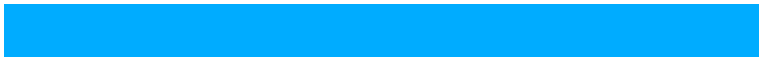
49.7805, 35.6432, 20.1757



36.7986, 35.6432, 8.8925



21.7835, 35.6432, 66.3815



31.1158, 35.6432, 103.7955

Sweetspot

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



49.7814, 35.6451, 20.1763



78.1091, 75.5371, 74.2156



62.1529, 39.0848, 89.9755



16.3092, 15.5756, 15.0513



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.



49.7814, 35.6451, 20.1763



47.5096, 30.8973, 12.9661



61.0939, 58.2702, 23.9472



17.3260, 17.3879, 17.9054



21.0319, 11.0205, 1.0187



1.9756, 1.0761, 0.1036

Inverse Universe

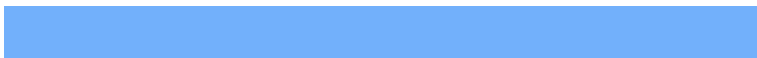
The Inverse Universe completely reimagines the original color for something new.



56.4006, 74.6394, 102.7008



54.9410, 74.8505, 106.1596



39.8090, 41.4563, 97.1702



17.6738, 19.4245, 22.2031



25.0079, 35.3713, 53.4829



2.3418, 3.3273, 4.9620

Previews

White Background



This preview shows how the XYZ color 49.7805, 35.6432, 20.1757 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 49.7805, 35.6432, 20.1757 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 49.7805, 35.6432, 20.1757

Background



This preview shows how black text looks on a background with the XYZ color 49.7805, 35.6432, 20.1757.



This preview shows how white text looks on a background with the XYZ color 49.7805, 35.6432,

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

49.7805, 35.6432, 20.1757

Protanopia

33.6362, 35.7864, 26.6074

Deuteranopia

36.2547, 35.5314, 19.1348



Tritanopia

50.7576, 35.6869, 24.6351

Trichromacy



Original Color

49.7805, 35.6432, 20.1757

Protanomaly

37.9548, 34.6275, 24.0854

Deuteranomaly

40.2190, 34.7679, 19.3430

Tritanomaly

50.5574, 35.8003, 22.9844

Monochromacy



Original Color

49.7805, 35.6432, 20.1757

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

37.2291, 33.8784, 30.5636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7805, 35.6432, 20.1757 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(251, 122, 114)` looks like.

```
.text, #text, p{  
    color:rgb(251, 122, 114)  
}
```

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(251, 122, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 122, 114) }
```

Border

The CSS property to change the border of an element to XYZ 49.7805, 35.6432, 20.1757 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(251, 122, 114) }
```


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

```
.border{ border-color:rgb(251, 122, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 122, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 122, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 122, 114);  
box-shadow:4px 4px 4px 4px rgb(251, 122,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7805, 35.6432, 20.1757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 122, 114) }
```

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

```
.background{ background-color: rgb(251,  
122, 114) }
```

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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