

Converting Colors

XYZ(49.7110, 35.2265, 21.0090)

Have a look what the booklet for
XYZ(49.7110, 35.2265, 21.0090)
contains.

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Color

**XYZ(49.7110, 35.2265,
21.0090)**

Conversions

Conversions Part 1

Format	Color
Hex	FB7875
RGB	251, 120, 117
RGB Percent	98%, 47%, 46%
CMY	0.0157, 0.5294, 0.5412
CMYK	0.00, 0.52, 0.53, 0.02
HSL	1°, 94%, 72%
HSV	1°, 53%, 98%
XYZ	49.7110, 35.2265, 21.0090
YIQ	158.8270, 79.0390, 26.8390

Conversions

Conversions Part 2

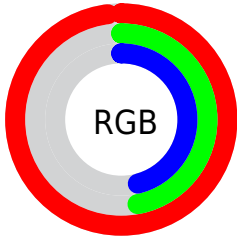
Format	Color
R_{YB}	251, 120, 117
Decimal	16480373
CIE _{Lab}	65.92, 49.72, 25.68
CIE _{LCh}	66, 55.964, 27.313
Yxy	35.2265, 0.4692, 0.3325
Android (android.graphics.Color)	4294670453 (0xFFFB7875)
YUV	158.8270, -20.6207, 80.8357
Hunter-Lab	59.3519, 45.6392, 20.5593

Details

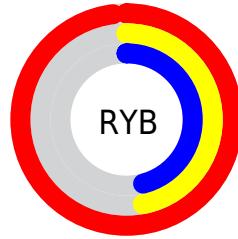
The XYZ color **49.7110, 35.2265, 21.0090** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.3139, 77.8773, 103.2247**, and the grayscale version is **32.9426, 34.6582, 37.7428**.

A 20% lighter version of the original color is **63.7314, 54.7845, 44.7516**, and **24.2576, 15.2733, 7.2997** is the 20% darker color. If you saturate the color by 10%, you get **45.8457, 29.5497, 13.3899**, and if you desaturate by 10%, it is **54.7295, 42.5771, 30.9646**.

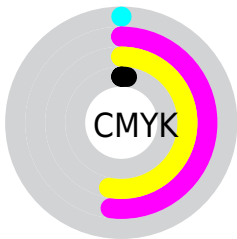
Distribution



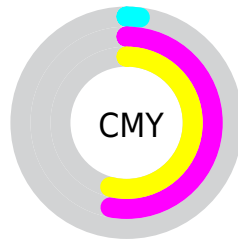
- Red (98%)
- Green (47%)
- Blue (46%)



- Red (98%)
- Yellow (47%)
- Blue (46%)



- Cyan (0%)
- Magenta (52%)
- Yellow (53%)
- Black (2%)





- Cyan (2%)
- Magenta (53%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7110, 35.2265, 21.0090 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 49.7110, 35.2265, 21.0090 by changing the saturation by 10% instead.


 49.7110, 35.2265,
21.0090


 49.7110, 35.2265,
21.0090


376.0054,
325.5670, 270.1089


 35.4007, 23.8374,
12.9393


 88.9409, 67.8365,
45.9835

 24.1396, 15.2130,
7.2565


 114.5912, 89.8262,
63.7253

 15.5625, 8.9690,
3.5422


 144.7522,
116.1182, 85.5283

 9.3040, 4.7210,
1.3777

179.7893,
147.0970, 111.8110

 4.9987, 2.0845,
0.1242

220.0678,
183.1468, 142.9918

 2.2812, 0.6559,
0.0000

265.9531,

 0.7850, 0.0000,

224.6522, 179.4894

0.0000

317.8105,
271.9974, 221.7222

■ 0.0000, 0.0000,
0.0000

■ 49.7110, 35.2265,
21.0090

■ 49.7110, 35.2265,
21.0090

■ 45.8457, 29.5497,
13.3899

■ 54.7295, 42.5771,
30.9646

■ 43.0397, 25.4102,
7.9152

■ 60.9803, 51.7128,
43.4243

■ 41.1887, 22.6594,
4.3654

■ 68.5382, 62.7421,
58.5423

■ 40.1658, 21.1169,
2.4731

■ 77.4717, 75.7630,
76.4599

■ 39.8446, 20.6314,
1.8822

■ 87.8442, 90.8668,
97.3085

93.5935, 99.2491,
108.8318

Harmonies

Analogous

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



52.0333, 35.2265, 40.5327



49.7110, 35.2265, 21.0090



42.8354, 35.2265, 11.3580

Triad

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



49.7110, 35.2265, 21.0090



21.7915, 35.2265, 18.6271



32.7410, 35.2265, 104.2973

Complementary

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



49.7110, 35.2265, 21.0090



58.3139, 77.8773, 103.2247

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.



25.5996, 35.2265, 90.9436



49.7110, 35.2265, 21.0090



19.9649, 35.2265, 36.2580

Square

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



49.7110, 35.2265, 21.0090



26.6956, 35.2265, 10.4348



21.2358, 35.2265, 63.3087



41.3302, 35.2265, 94.7968

Rectangle

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



49.7110, 35.2265, 21.0090



37.1010, 35.2265, 8.8552



21.2358, 35.2265, 63.3087



30.1059, 35.2265, 102.2402

Sweetspot

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



49.7119, 35.2284, 21.0096



77.7330, 74.7850, 74.0903



63.2073, 40.0570, 93.8318



16.2211, 15.3995, 15.0219



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.



49.7119, 35.2284, 21.0096



47.2970, 30.2971, 13.4345



60.6026, 57.0099, 24.6399



17.2758, 17.2875, 17.8887



20.9579, 10.8724, 0.9940



1.9517, 1.0283, 0.0956

Inverse Universe

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



58.3139, 77.8773, 103.2247



57.0465, 78.6907, 106.7899



41.4291, 44.1075, 97.5964



17.7305, 19.5378, 22.2220



26.3902, 38.1359, 53.9436



2.4545, 3.5527, 4.9995

Previews

White Background



This preview shows how the XYZ color 49.7110, 35.2265, 21.0090 looks on a white background.

Color Contrast Check

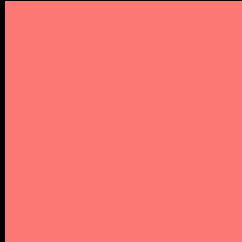
Large Text (above 18pt) WCAG AA × Fail

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 49.7110, 35.2265, 21.0090 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 49.7110, 35.2265, 21.0090

Background



This preview shows how black text looks on a background with the XYZ color 49.7110, 35.2265, 21.0090.



This preview shows how white text looks on a background with the XYZ color 49.7110, 35.2265,

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

49.7110, 35.2265, 21.0090

Protanopia

33.3062, 35.3259, 27.9848

Deuteranopia

36.1631, 35.4654, 19.9784



Tritanopia

50.5725, 35.4214, 24.2502

Trichromacy



Original Color

49.7110, 35.2265, 21.0090

Protanomaly

37.5749, 33.9514, 24.9949

Deuteranomaly

40.0942, 34.6844, 20.2043

Tritanomaly

50.3169, 35.3192, 22.9042

Monochromacy



Original Color

49.7110, 35.2265, 21.0090

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.8977, 33.4709, 30.9014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7110, 35.2265, 21.0090 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, 120, 117)` looks like.

```
.text, #text, p{  
    color:rgb(251, 120, 117)  
}
```

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, 120, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 120, 117) }
```

Border

The CSS property to change the border of an element to XYZ 49.7110, 35.2265, 21.0090 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, 120, 117) }
```


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

```
.border{ border-color:rgb(251, 120, 117) }
```

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

Here you see how a box with a 4 pixel rgb(251, 120, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 120, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 120, 117);  
box-shadow:4px 4px 4px 4px rgb(251, 120,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7110, 35.2265, 21.0090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 120, 117) }
```

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

```
.background{ background-color: rgb(251,  
120, 117) }
```

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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