

Converting Colors

XYZ(49.8393, 35.1853, 22.0512)

Have a look what the booklet for
XYZ(49.8393, 35.1853, 22.0512)
contains.

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Color

**XYZ(49.8903, 35.2982,
21.9530)**

Conversions

Conversions Part 1

Format	Color
Hex	FB7878
RGB	251, 120, 120
RGB Percent	98%, 47%, 47%
CMY	0.0157, 0.5294, 0.5294
CMYK	0.00, 0.52, 0.52, 0.02
HSL	0°, 94%, 73%
HSV	0°, 52%, 98%
XYZ	49.8903, 35.2982, 21.9530
YIQ	159.1690, 78.0760, 27.7720

Conversions

Conversions Part 2

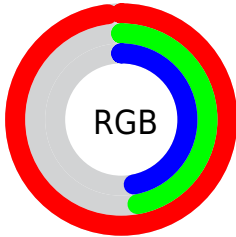
Format	Color
R _Y B	251, 120, 120
Decimal	16480376
CIE Lab	65.98, 49.97, 24.07
CIE LCh	66, 55.464, 25.720
Yxy	35.2982, 0.4656, 0.3295
Android (android.graphics.Color)	4294670456 (0xFFFB7878)
YUV	159.1690, -19.3103, 80.5358
Hunter-Lab	59.4123, 45.9204, 19.6808

Details

The XYZ color **49.8903, 35.2982, 21.9530** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **59.6533, 79.9480, 103.5540**, and the grayscale version is **33.0936, 34.8171, 37.9158**.

A 20% lighter version of the original color is **64.0164, 54.8985, 46.2522**, and **24.3531, 15.3115, 7.8027** is the 20% darker color. If you saturate the color by 10%, you get **45.9286, 29.5017, 14.0766**, and if you desaturate by 10%, it is **55.0438, 42.8400, 32.1967**.

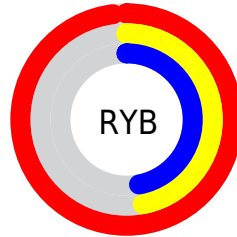
Distribution



Red (98%)

Green (47%)

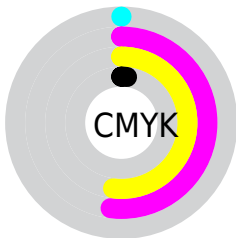
Blue (47%)



Red (98%)

Yellow (47%)

Blue (47%)

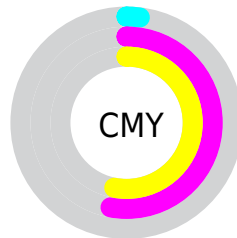


Cyan (0%)

Magenta (52%)

Yellow (52%)

Black (2%)



Cyan (2%)


Magenta (53%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8903, 35.2982, 21.9530 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 49.8903, 35.2982, 21.9530 by changing the saturation by 10% instead.


 49.8903, 35.2982,
21.9530


 49.8903, 35.2982,
21.9530

376.6959,
325.8826, 275.2462


 35.5437, 23.8927,
13.6244


 89.2051, 67.9475,
47.5695

 24.2505, 15.2540,
7.7241

 114.9040, 89.9600,
65.6945

 15.6453, 8.9979,
3.8337


 145.1177,
116.2770, 87.9219

 9.3627, 4.7398,
1.5346

180.2116,
147.2828, 114.6705

 5.0375, 2.0954,
0.2435

220.5510,
183.3619, 146.3587

 2.3043, 0.6620,
0.0000

266.5013,

 0.7969, 0.0000,

224.8987, 183.4050

0.0000

318.4278,
272.2774, 226.2280

■ 0.0000, 0.0000,
0.0000

■ 49.8903, 35.2982,
21.9530

■ 49.8903, 35.2982,
21.9530

■ 45.9286, 29.5017,
14.0766

■ 55.0438, 42.8400,
32.1967

■ 43.0611, 25.3055,
8.3763

■ 61.4715, 52.2455,
44.9744

■ 41.1789, 22.5512,
4.6350

■ 69.2512, 63.6294,
60.4400

■ 40.1497, 21.0450,
2.5893

■ 78.4539, 77.0956,
78.7347

■ 39.7837, 20.5095,
1.8619

■ 89.1457, 92.7408,
99.9898

93.5935, 99.2492,
108.8318

Harmonies

Analogous

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



51.8983, 35.2982, 41.9106



49.8903, 35.2982, 21.9530



43.2579, 35.2982, 11.8603

Triad

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



49.8903, 35.2982, 21.9530



22.1160, 35.2982, 18.1675



32.3845, 35.2982, 103.5096

Complementary

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



49.8903, 35.2982, 21.9530



59.6533, 79.9480, 103.5540

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.



25.4152, 35.2982, 89.2503



49.8903, 35.2982, 21.9530



20.1331, 35.2982, 35.1547

Square

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



49.8903, 35.2982, 21.9530



27.1505, 35.2982, 10.3841



21.2348, 35.2982, 61.6015



40.8833, 35.2982, 95.3041

Rectangle

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



49.8903, 35.2982, 21.9530



37.5996, 35.2982, 9.1476



21.2348, 35.2982, 61.6015



29.8019, 35.2982, 101.0671

Sweetspot

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



49.8912, 35.3001, 21.9536



77.5009, 74.3208, 74.0129



63.9127, 40.9073, 95.7939



16.1668, 15.2909, 15.0038



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.



49.8912, 35.3001, 21.9536



47.3108, 30.1438, 13.9970



60.6276, 56.7729, 25.5324



17.2448, 17.2254, 17.8783



20.9120, 10.7807, 0.9787



1.9368, 0.9985, 0.0907

Inverse Universe

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



59.6533, 79.9480, 103.5540



58.4594, 81.1328, 107.1868



42.6122, 45.8658, 97.8736



17.7658, 19.6085, 22.2337



27.2838, 39.9231, 54.2415



2.5270, 3.6976, 5.0237

Previews

White Background



This preview shows how the XYZ color 49.8903, 35.2982, 21.9530 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 49.8903, 35.2982, 21.9530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

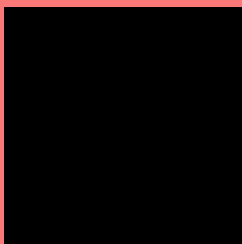
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8903, 35.2982, 21.9530

Background



This preview shows how black text looks on a background with the XYZ color 49.8903, 35.2982, 21.9530.



This preview shows how white text looks on a background with the XYZ color 49.8903, 35.2982,

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

49.8903, 35.2982, 21.9530

Protanopia

33.5932, 35.4407, 29.4963

Deuteranopia

36.0787, 35.4025, 20.8514



Tritanopia

50.2113, 35.2352, 24.2333

Trichromacy



Original Color

49.8903, 35.2982, 21.9530

Protanomaly

37.8434, 34.0589, 26.4092

Deuteranomaly

40.2660, 34.7531, 21.1088

Tritanomaly

50.0186, 35.1581, 23.2187

Monochromacy



Original Color

49.8903, 35.2982, 21.9530

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.9745, 33.5016, 31.3058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8903, 35.2982, 21.9530 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, 120)` looks like.

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

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, 120) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 49.8903, 35.2982, 21.9530 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, 120) }
```


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

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

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, 120)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 49.8903, 35.2982, 21.9530 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, 120) }
```

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

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

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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