

Converting Colors

XYZ(49.6418, 33.5329, 18.6980)

Have a look what the booklet for
XYZ(49.6418, 33.5329, 18.6980)
contains.

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Color

**XYZ(49.6304, 33.5376,
18.6095)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6E6E
RGB	255, 110, 110
RGB Percent	100%, 43%, 43%
CMY	0.0000, 0.5686, 0.5686
CMYK	0.00, 0.57, 0.57, 0.00
HSL	0°, 100%, 72%
HSV	0°, 57%, 100%
XYZ	49.6304, 33.5376, 18.6095
YIQ	153.3550, 86.4200, 30.7400

Conversions

Conversions Part 2

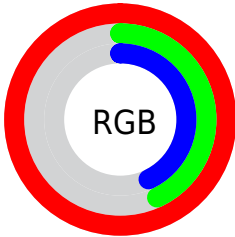
Format	Color
R _Y B	255, 110, 110
Decimal	16739950
CIE Lab	64.59, 55.24, 27.96
CIE LCh	65, 61.917, 26.848
Yxy	33.5376, 0.4876, 0.3295
Android (android.graphics.Color)	4294930030 (0xFFFF6E6E)
YUV	153.3550, -21.3740, 89.1427
Hunter-Lab	57.9117, 51.6294, 21.4857

Details

The XYZ color **49.6304, 33.5376, 18.6095** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **60.2379, 82.0500, 107.2697**, and the grayscale version is **30.4981, 32.0863, 34.9420**.

A 20% lighter version of the original color is **61.3978, 51.1411, 40.8176**, and **24.1810, 14.3236, 6.0477** is the 20% darker color. If you saturate the color by 10%, you get **46.0698, 28.3280, 11.5305**, and if you desaturate by 10%, it is **54.3833, 40.4932, 28.0567**.

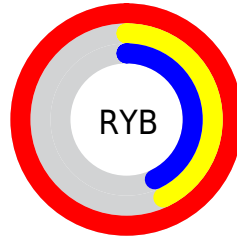
Distribution



Red (100%)

Green (43%)

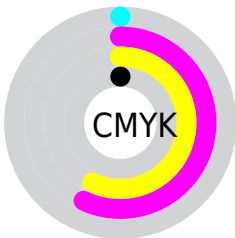
Blue (43%)



Red (100%)

Yellow (43%)

Blue (43%)

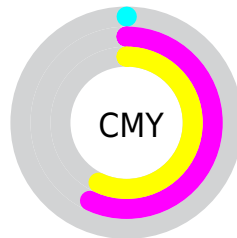


Cyan (0%)

Magenta (57%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (57%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6304, 33.5376, 18.6095 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 49.6304, 33.5376, 18.6095 by changing the saturation by 10% instead.


 49.6304, 33.5376,
18.6095


 49.6304, 33.5376,
18.6095


375.6947,
318.0653, 256.6349

 35.3364, 22.5386,
11.2145


 88.8221, 65.2140,
41.9011


 24.0899, 14.2532,
6.0953


 114.4506, 86.6601,
58.6347

 15.5254, 8.2970,
2.8334


 144.5879,
112.3574, 79.3183

 9.2776, 4.2856,
1.0102

 179.5994,
142.6903, 104.3705

 4.9813, 1.8345,
0.0000

219.8505,
178.0431, 134.2097

 2.2709, 0.5086,
0.0000

265.7065,

 0.7797, 0.0000,

218.8003, 169.2544

0.0000

317.5328,
265.3462, 209.9233

■ 0.0000, 0.0000,
0.0000

■ 49.6304, 33.5376,
18.6095

■ 49.6304, 33.5376,
18.6095

■ 46.0698, 28.3280,
11.5305

■ 54.3833, 40.4932,
28.0567

■ 43.5938, 24.7048,
6.6087

■ 60.4188, 49.3249,
40.0549

■ 42.0796, 22.4889,
3.5989

■ 67.8215, 60.1572,
54.7710

■ 41.3706, 21.4514,
2.1898

■ 76.6679, 73.1020,
72.3572

■ 41.2400, 21.2602,
1.9300

■ 87.0289, 88.2630,
92.9545

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.



52.1039, 33.5376, 39.2668



49.6304, 33.5376, 18.6095



42.1355, 33.5376, 8.9984

Triad

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



49.6304, 33.5376, 18.6095



19.6297, 33.5376, 15.7985



30.9486, 33.5376, 110.1597

Complementary

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



49.6304, 33.5376, 18.6095



60.2379, 82.0500, 107.2697

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.



23.4345, 33.5376, 94.5285



49.6304, 33.5376, 18.6095



17.7067, 33.5376, 33.8982

Square

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



49.6304, 33.5376, 18.6095



24.7816, 33.5376, 7.9842



18.9592, 33.5376, 63.2974



40.2107, 33.5376, 99.6790

Rectangle

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



49.6304, 33.5376, 18.6095



35.9140, 33.5376, 6.6246



18.9592, 33.5376, 63.2974



28.1535, 33.5376, 107.6599

Sweetspot

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



49.6312, 33.5394, 18.6101



76.5362, 72.9091, 72.0951



64.8658, 39.6320, 98.8383



15.9768, 15.0128, 14.6261



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.



49.6312, 33.5394, 18.6101



45.7357, 27.8389, 10.8660



60.8850, 56.0469, 22.3613



18.0095, 17.9872, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982

Inverse Universe

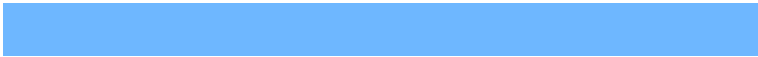
The Inverse Universe completely reimagines the original color for something new.



60.2379, 82.0500, 107.2697



57.2521, 80.5103, 107.1303



41.3111, 44.1962, 100.9607



18.5549, 20.4813, 23.2253



28.1147, 41.1391, 55.8934



2.7375, 4.0056, 5.4422

Previews

White Background



This preview shows how the XYZ color 49.6304, 33.5376, 18.6095 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 49.6304, 33.5376, 18.6095 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 49.6304, 33.5376, 18.6095

Background



This preview shows how black text looks on a background with the XYZ color 49.6304, 33.5376, 18.6095.



This preview shows how white text looks on a background with the XYZ color 49.6304, 33.5376,

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

49.6304, 33.5376, 18.6095

Protanopia

31.8796, 33.8596, 26.3281

Deuteranopia

34.3408, 33.6108, 17.5095



Tritanopia

49.8610, 33.4582, 20.3531

Trichromacy



Original Color

49.6304, 33.5376, 18.6095

Protanomaly

36.2419, 32.1920, 23.0424

Deuteranomaly

38.7061, 32.5147, 17.8716

Tritanomaly

49.7459, 33.4122, 19.7469

Monochromacy



Original Color

49.6304, 33.5376, 18.6095

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

34.6962, 30.6446, 27.7532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6304, 33.5376, 18.6095 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, 110, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 110)  
}
```

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, 110, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 110) }
```

Border

The CSS property to change the border of an element to XYZ 49.6304, 33.5376, 18.6095 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, 110, 110) }
```


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

```
.border{ border-color:rgb(255, 110, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 110, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6304, 33.5376, 18.6095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 110) }
```

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

```
.background{ background-color: rgb(255,  
110, 110) }
```

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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