

Converting Colors

XYZ(50.9885, 33.4747, 20.0841)

Have a look what the booklet for
XYZ(50.9885, 33.4747, 20.0841)
contains.

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Color

**XYZ(49.3861, 32.6010,
19.9093)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF6973 |
| RGB | 255, 105, 115 |
| RGB Percent | 100%, 41%, 45% |
| CMY | 0.0000, 0.5882, 0.5490 |
| CMYK | 0.00, 0.59, 0.55, 0.00 |
| HSL | 356°, 100%, 71% |
| HSV | 356°, 59%, 100% |
| XYZ | 49.3861, 32.6010, 19.9093 |
| YIQ | 150.9900, 86.1900, 34.9100 |

Conversions

Conversions Part 2

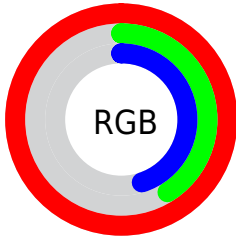
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 105, 115 |
| Decimal | 16738675 |
| CIE Lab | 63.84, 57.85, 24.13 |
| CIE LCh | 64, 62.677, 22.645 |
| Yxy | 32.6010, 0.4847, 0.3199 |
| Android (android.graphics.Color) | 4294928755 (0xFFFF6973) |
| YUV | 150.9900, -17.7431, 91.2168 |
| Hunter-Lab | 57.0973, 54.4727, 19.2942 |

Details

The XYZ color **49.3861, 32.6010, 19.9093** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.0693, 81.1166, 98.9892**, and the grayscale version is **29.4602, 30.9944, 33.7529**.

A 20% lighter version of the original color is **60.9599, 49.5398, 42.9084**, and **24.0220, 13.7757, 6.7031** is the 20% darker color. If you saturate the color by 10%, you get **45.9696, 27.6844, 12.8634**, and if you desaturate by 10%, it is **53.9361, 39.2193, 29.0777**.

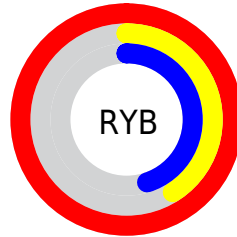
Distribution



Red (100%)

Green (41%)

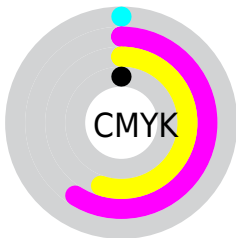
Blue (45%)



Red (100%)

Yellow (41%)

Blue (45%)

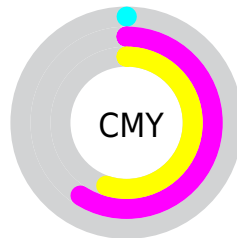


Cyan (0%)

Magenta (59%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3861, 32.6010, 19.9093 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 49.3861, 32.6010, 19.9093 by changing the saturation by 10% instead.


 49.3861, 32.6010,
19.9093


 49.3861, 32.6010,
19.9093


374.7521,
313.8480, 264.0117

 35.1417, 21.8210,
12.1457


 88.4619, 63.7521,
44.1220


 23.9390, 13.7254,
6.7192


 114.0240, 84.8919,
61.4083

 15.4129, 7.9299,
3.2114


 144.0893,
110.2538, 82.7058

 9.1979, 4.0501,
1.2036

 179.0232,
140.2222, 108.4331

 4.9286, 1.7017,
0.0000

219.1911,
175.1814, 139.0089

 2.2398, 0.4247,
0.0000

264.9583,

 0.7636, 0.0000,

215.5158, 174.8515

0.0000

316.6902,
261.6099, 216.3796

■ 0.0000, 0.0000,
0.0000

■ 49.3861, 32.6010,
19.9093

■ 49.3861, 32.6010,
19.9093

■ 45.9696, 27.6844,
12.8634

■ 53.9361, 39.2193,
29.0777

■ 43.5845, 24.3092,
7.7680

■ 59.7052, 47.6701,
40.5187

■ 42.1143, 22.2936,
4.4267

■ 66.7734, 58.0775,
54.3710

■ 41.3969, 21.3750,
2.5962

■ 75.2134, 70.5534,
70.7614

■ 41.3409, 21.3003,
2.4622

■ 85.0923, 85.2011,
89.8080

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.



50.9941, 32.6010, 42.0735



49.3861, 32.6010, 19.9093



42.4365, 32.6010, 9.2207

Triad

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



49.3861, 32.6010, 19.9093



19.3823, 32.6010, 13.4555



28.8689, 32.6010, 108.5745

Complementary

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



49.3861, 32.6010, 19.9093



58.0693, 81.1166, 98.9892

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.



21.8067, 32.6010, 89.6750



49.3861, 32.6010, 19.9093



17.0450, 32.6010, 29.6441

Square

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



49.3861, 32.6010, 19.9093



24.9139, 32.6010, 6.9173



17.8398, 32.6010, 57.6306



37.9729, 32.6010, 101.6894

Rectangle

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



49.3861, 32.6010, 19.9093



36.3161, 32.6010, 6.4155



17.8398, 32.6010, 57.6306



26.2052, 32.6010, 104.8080

Sweetspot

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



49.3869, 32.6028, 19.9099



75.9686, 71.6714, 72.2216



60.7587, 36.7375, 98.4960



15.6963, 14.5055, 14.3665



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.



49.3869, 32.6028, 19.9099



45.3656, 26.8229, 11.5926



58.1658, 51.0314, 20.1515



18.0584, 18.0067, 18.9249



21.6198, 11.1372, 1.3822



2.1214, 1.0909, 0.2207

Inverse Universe

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



49.3869, 32.6028, 19.9099



45.3656, 26.8229, 11.5926



42.2910, 47.0523, 101.4604



18.0584, 18.0067, 18.9249



21.6198, 11.1372, 1.3822



2.1214, 1.0909, 0.2207

Previews

White Background



This preview shows how the XYZ color 49.3861, 32.6010, 19.9093 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 49.3861, 32.6010, 19.9093 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 49.3861, 32.6010, 19.9093

Background



This preview shows how black text looks on a background with the XYZ color 49.3861, 32.6010, 19.9093.



This preview shows how white text looks on a background with the XYZ color 49.3861, 32.6010,

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

49.3861, 32.6010, 19.9093

Protanopia

31.2091, 32.9590, 28.7616

Deuteranopia

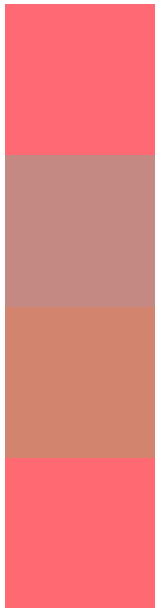
33.3043, 32.5768, 18.7200



Tritanopia

49.2162, 32.5330, 19.0148

Trichromacy



Original Color

49.3861, 32.6010, 19.9093

Protanomaly

35.7399, 31.2388, 25.2651

Deuteranomaly

37.6988, 31.3519, 19.1035

Tritanomaly

49.2722, 32.5554, 19.3097

Monochromacy



Original Color

49.3861, 32.6010, 19.9093

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

34.0988, 29.7040, 27.9810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3861, 32.6010, 19.9093 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, 105, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 115)  
}
```

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, 105, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 115) }
```

Border

The CSS property to change the border of an element to XYZ 49.3861, 32.6010, 19.9093 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, 105, 115) }
```


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

```
.border{ border-color:rgb(255, 105, 115) }
```

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

Here you see how a box with a 4 pixel rgb(255, 105, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3861, 32.6010, 19.9093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 115) }
```

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

```
.background{ background-color: rgb(255,  
105, 115) }
```

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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