

Converting Colors

XYZ(53.9102, 34.7494, 21.5950)

Have a look what the booklet for
XYZ(53.9102, 34.7494, 21.5950)
contains.

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Color

**XYZ(49.5805, 32.5167,
21.4325)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6878
RGB	255, 104, 120
RGB Percent	100%, 41%, 47%
CMY	0.0000, 0.5921, 0.5294
CMYK	0.00, 0.59, 0.53, 0.00
HSL	354°, 100%, 70%
HSV	354°, 59%, 100%
XYZ	49.5805, 32.5167, 21.4325
YIQ	150.9730, 84.8600, 36.9880

Conversions

Conversions Part 2

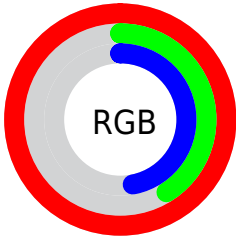
Format	Color
R_{YB}	255, 104, 120
Decimal	16738424
CIE _{Lab}	63.77, 58.67, 21.19
CIE _{LCh}	64, 62.378, 19.858
Yxy	32.5167, 0.4789, 0.3141
Android (android.graphics.Color)	4294928504 (0xFFFF6878)
YUV	150.9730, -15.2697, 91.2317
Hunter-Lab	57.0234, 55.4105, 17.6320

Details

The XYZ color **49.5805, 32.5167, 21.4325** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.0510, 80.6958, 94.2364**, and the grayscale version is **29.4430, 30.9763, 33.7332**.

A 20% lighter version of the original color is **61.2572, 49.3802, 45.3324**, and **24.1004, 13.6821, 7.5016** is the 20% darker color. If you saturate the color by 10%, you get **46.1677, 27.6482, 14.2620**, and if you desaturate by 10%, it is **54.1001, 39.0720, 30.5975**.

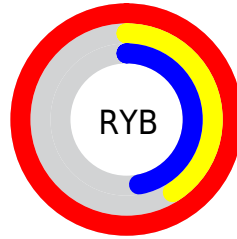
Distribution



Red (100%)

Green (41%)

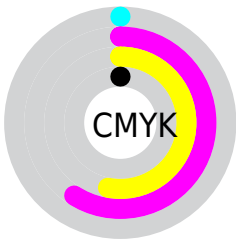
Blue (47%)



Red (100%)

Yellow (41%)

Blue (47%)

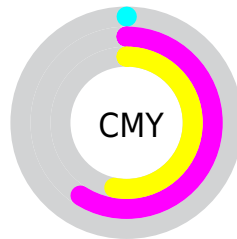


Cyan (0%)

Magenta (59%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5805, 32.5167, 21.4325 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 49.5805, 32.5167, 21.4325 by changing the saturation by 10% instead.


 49.5805, 32.5167,
21.4325


 49.5805, 32.5167,
21.4325

375.5023,
313.4663, 272.4243

 35.2966, 21.7565,
13.2462


 88.7486, 63.6202,
46.6963


 24.0590, 13.6781,
7.4656


 114.3635, 84.7323,
64.6109

 15.5024, 7.8971,
3.6721


 144.4861,
110.0638, 86.6054

 9.2613, 4.0292,
1.4472

 179.4818,
139.9991, 113.0982

 4.9705, 1.6899,
0.1782

219.7159,
174.9226, 144.5080

 2.2645, 0.4171,
0.0000

265.5538,

 0.7764, 0.0000,

215.2187, 181.2532

0.0000

317.3608,
261.2718, 223.7525

■ 0.0000, 0.0000,
0.0000

■ 49.5805, 32.5167,
21.4325

■ 49.5805, 32.5167,
21.4325

■ 46.1677, 27.6482,
14.2620

■ 54.1001, 39.0720,
30.5975

■ 43.7630, 24.3068,
8.9350

■ 59.8089, 47.4441,
41.8893

■ 42.2545, 22.3117,
5.2817

■ 66.7842, 57.7564,
55.4307

■ 41.4810, 21.3913,
3.0924

■ 75.0960, 70.1199,
71.3345

■ 41.4378, 21.3391,
2.9722

■ 84.8093, 84.6374,
89.7063

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



50.5978, 32.5167, 44.5840



49.5805, 32.5167, 21.4325



43.0685, 32.5167, 9.8710

Triad

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



49.5805, 32.5167, 21.4325



19.7481, 32.5167, 12.5436



28.0377, 32.5167, 107.1512

Complementary

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



49.5805, 32.5167, 21.4325



57.0510, 80.6958, 94.2364

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.



21.2806, 32.5167, 86.4770



49.5805, 32.5167, 21.4325



17.1288, 32.5167, 27.5814

Square

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



49.5805, 32.5167, 21.4325



25.5371, 32.5167, 6.6751



17.6311, 32.5167, 54.4203



36.9795, 32.5167, 102.7933

Rectangle

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



49.5805, 32.5167, 21.4325



37.0680, 32.5167, 6.7021



17.6311, 32.5167, 54.4203



25.4680, 32.5167, 102.6269

Sweetspot

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



49.5813, 32.5185, 21.4331



76.1977, 71.7631, 73.4281



58.0546, 35.1931, 98.3406



15.7509, 14.5274, 14.6540



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.



49.5813, 32.5185, 21.4331



45.6668, 26.9434, 13.1788



56.6398, 48.0611, 19.3906



18.0875, 18.0183, 19.0782



21.6773, 11.1602, 1.6854



2.1351, 1.0964, 0.2930

Inverse Universe

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



49.5813, 32.5185, 21.4331



45.6668, 26.9434, 13.1788



43.7534, 50.1506, 101.9814



18.0875, 18.0183, 19.0782



21.6773, 11.1602, 1.6854



2.1351, 1.0964, 0.2930

Previews

White Background



This preview shows how the XYZ color 49.5805, 32.5167, 21.4325 looks on a white background.

Color Contrast Check

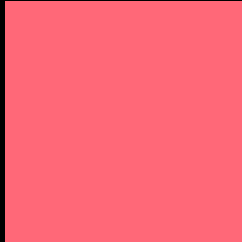
Large Text (above 18pt) WCAG AA × Fail

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 49.5805, 32.5167, 21.4325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

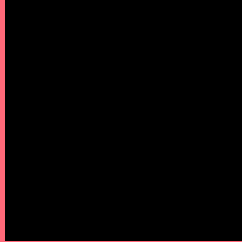
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5805, 32.5167, 21.4325

Background



This preview shows how black text looks on a background with the XYZ color 49.5805, 32.5167, 21.4325.



This preview shows how white text looks on a background with the XYZ color 49.5805, 32.5167,

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

49.5805, 32.5167, 21.4325

Protanopia

31.0868, 32.5984, 31.0392

Deuteranopia

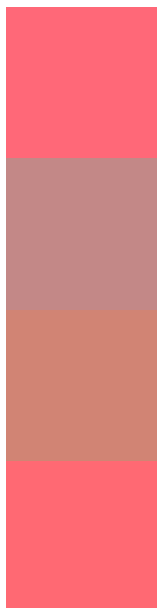
33.0990, 32.4393, 20.1397



Tritanopia

49.2162, 32.5330, 19.0148

Trichromacy



Original Color

49.5805, 32.5167, 21.4325

Protanomaly

35.6830, 30.9597, 27.0168

Deuteranomaly

37.6981, 31.3188, 20.5812

Tritanomaly

49.3861, 32.6010, 19.9093

Monochromacy



Original Color

49.5805, 32.5167, 21.4325

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

34.2450, 29.7625, 28.7508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5805, 32.5167, 21.4325 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, 104, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 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(255, 104, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 120) }
```

Border

The CSS property to change the border of an element to XYZ 49.5805, 32.5167, 21.4325 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, 104, 120) }
```


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

```
.border{ border-color:rgb(255, 104, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 104, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5805, 32.5167, 21.4325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 120) }
```

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

```
.background{ background-color: rgb(255,  
104, 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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