

Converting Colors

XYZ(77.5293, 47.6964, 31.6075)

Have a look what the booklet for
XYZ(77.5293, 47.6964, 31.6075)
contains.

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Color

**XYZ(51.8500, 34.4255,
30.2975)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6E90
RGB	255, 110, 144
RGB Percent	100%, 43%, 56%
CMY	0.0000, 0.5686, 0.4353
CMYK	0.00, 0.57, 0.44, 0.00
HSL	346°, 100%, 72%
HSV	346°, 57%, 100%
XYZ	51.8500, 34.4255, 30.2975
YIQ	157.2310, 75.5060, 41.3140

Conversions

Conversions Part 2

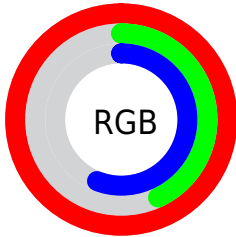
Format	Color
R_{YB}	255, 110, 144
Decimal	16739984
CIE _{Lab}	65.30, 58.12, 9.60
CIE _{LCh}	65, 58.906, 9.379
Yxy	34.4255, 0.4448, 0.2953
Android (android.graphics.Color)	4294930064 (0xFFFF6E90)
YUV	157.2310, -6.5229, 85.7434
Hunter-Lab	58.6732, 55.0636, 10.4553

Details

The XYZ color **51.8500, 34.4255, 30.2975** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **55.2436, 80.0563, 80.9529**, and the grayscale version is **32.1577, 33.8324, 36.8435**.

A 20% lighter version of the original color is **65.0693, 52.6097, 60.1512**, and **25.5416, 14.8237, 12.1047** is the 20% darker color. If you saturate the color by 10%, you get **48.1184, 29.1473, 22.3178**, and if you desaturate by 10%, it is **56.6328, 41.3933, 39.9011**.

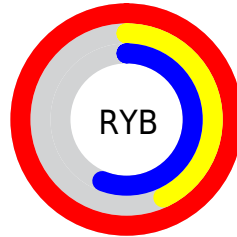
Distribution



Red (100%)

Green (43%)

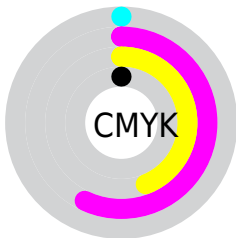
Blue (56%)



Red (100%)

Yellow (43%)

Blue (56%)

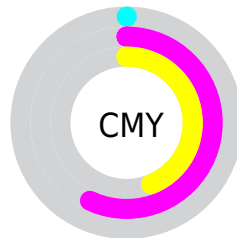


Cyan (0%)

Magenta (57%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (57%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8500, 34.4255, 30.2975 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 51.8500, 34.4255, 30.2975 by changing the saturation by 10% instead.


 51.8500, 34.4255,
30.2975


 51.8500, 34.4255,
30.2975


384.1907,
322.0252, 317.5391

 37.1093, 23.2207,
19.8105


 92.0855, 66.5948,
61.1989

 25.4662, 14.7565,
12.0747


 118.3111, 88.3281,
82.4504

 16.5553, 8.6487,
6.6714


 149.0956,
114.3396, 108.1272

 10.0113, 4.5128,
3.1822

184.8045,
145.0138, 138.6478

 5.4688, 1.9643,
1.1884

225.8031,
180.7351, 174.4307

 2.5624, 0.5866,
0.0000

272.4568,

 0.9268, 0.0000,

221.8878, 215.8946

0.0000

325.1309,
268.8564, 263.4578

■ 0.0000, 0.0000,
0.0000

■ 51.8500, 34.4255,
30.2975

■ 51.8500, 34.4255,
30.2975

■ 48.1184, 29.1473,
22.3178

■ 56.6328, 41.3933,
39.9011

■ 45.3520, 25.4078,
15.8670

■ 62.5382, 50.1734,
51.2121

■ 43.4551, 23.0390,
10.8419

■ 69.6340, 60.8836,
64.3106

■ 42.3077, 21.8262,
7.1239

■ 77.9821, 73.6298,
79.2706

■ 42.0498, 21.5839,
6.1948

■ 87.6400, 88.5106,
96.1621

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



50.7212, 34.4255, 56.7113



51.8500, 34.4255, 30.2975



47.2040, 34.4255, 14.7848

Triad

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



51.8500, 34.4255, 30.2975



23.3283, 34.4255, 11.5363



27.2464, 34.4255, 101.3902

Complementary

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



51.8500, 34.4255, 30.2975



55.2436, 80.0563, 80.9529

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.



21.5514, 34.4255, 76.1704



51.8500, 34.4255, 30.2975



19.5791, 34.4255, 23.1822

Square

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



51.8500, 34.4255, 30.2975



30.1043, 34.4255, 7.5185



18.9910, 34.4255, 45.7244



35.4839, 34.4255, 106.1130

Rectangle

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



51.8500, 34.4255, 30.2975



41.8653, 34.4255, 9.7504



18.9910, 34.4255, 45.7244



25.0148, 34.4255, 94.6312

Sweetspot

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



51.8509, 34.4273, 30.2981



77.8558, 73.4361, 79.0471



52.7657, 33.3953, 98.2725



16.2840, 15.1355, 16.2445



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.



51.8509, 34.4273, 30.2981



47.7557, 28.6458, 21.5066



54.3734, 43.0229, 20.1928



18.1838, 18.0569, 19.5853



22.0193, 11.2970, 3.4862



2.1840, 1.1160, 0.5502

Inverse Universe

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



51.8509, 34.4273, 30.2981



47.7557, 28.6458, 21.5066



49.7483, 61.0693, 103.7732



18.1838, 18.0569, 19.5853



22.0193, 11.2970, 3.4862



2.1840, 1.1160, 0.5502

Previews

White Background



This preview shows how the XYZ color 51.8500, 34.4255, 30.2975 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 51.8500, 34.4255, 30.2975 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 51.8500, 34.4255, 30.2975

Background



This preview shows how black text looks on a background with the XYZ color 51.8500, 34.4255, 30.2975.



This preview shows how white text looks on a background with the XYZ color 51.8500, 34.4255,

30.2975.

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

51.8500, 34.4255, 30.2975

Protanopia

33.6781, 34.6631, 43.4437

Deuteranopia

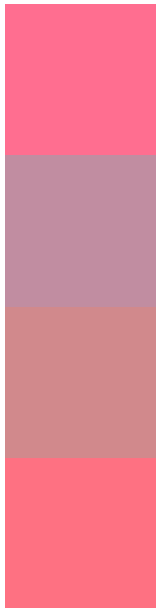
35.1980, 34.5337, 28.4774



Tritanopia

50.0382, 34.3224, 22.3999

Trichromacy



Original Color

51.8500, 34.4255, 30.2975

Protanomaly

37.9502, 32.9604, 38.0800

Deuteranomaly

39.9738, 33.3401, 29.1394

Tritanomaly

50.8074, 34.4928, 25.0990

Monochromacy



Original Color

51.8500, 34.4255, 30.2975

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

37.0379, 32.3606, 33.9999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8500, 34.4255, 30.2975 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, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 144)  
}
```

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, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 144) }
```

Border

The CSS property to change the border of an element to XYZ 51.8500, 34.4255, 30.2975 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, 144) }
```


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

```
.border{ border-color:rgb(255, 110, 144) }
```

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, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8500, 34.4255, 30.2975 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, 144) }
```

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

```
.background{ background-color: rgb(255,  
110, 144) }
```

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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