

Converting Colors

XYZ(50.1511, 30.9202, 30.0627)

Have a look what the booklet for
XYZ(50.1511, 30.9202, 30.0627)
contains.

XYZ(50.1780, 30.9586, 30.1190)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.1780, 30.9586,
30.1190)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5C91
RGB	255, 92, 145
RGB Percent	100%, 36%, 57%
CMY	0.0000, 0.6392, 0.4314
CMYK	0.00, 0.64, 0.43, 0.00
HSL	340°, 100%, 68%
HSV	340°, 64%, 100%
XYZ	50.1780, 30.9586, 30.1190
YIQ	146.7790, 80.1350, 51.0390

Conversions

Conversions Part 2

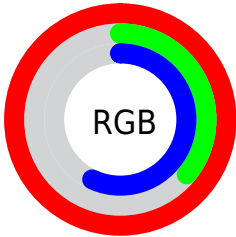
Format	Color
R _Y B	255, 92, 145
Decimal	16735377
CIE Lab	62.47, 65.86, 4.98
CIE LCh	62, 66.050, 4.328
Yxy	30.9586, 0.4510, 0.2783
Android (android.graphics.Color)	4294925457 (0xFFFF5C91)
YUV	146.7790, -0.8770, 94.9098
Hunter-Lab	55.6405, 63.6051, 6.8538

Details

The XYZ color **50.1780, 30.9586, 30.1190** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **50.8363, 78.0604, 68.2704**, and the grayscale version is **27.6237, 29.0622, 31.6488**.

A 20% lighter version of the original color is **62.4551, 47.1962, 59.8509**, and **24.3643, 12.7765, 12.0084** is the 20% darker color. If you saturate the color by 10%, you get **47.1006, 26.7692, 23.0346**, and if you desaturate by 10%, it is **54.2011, 36.7177, 38.5109**.

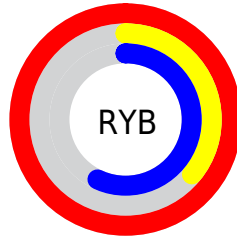
Distribution



Red (100%)

Green (36%)

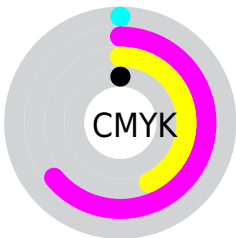
Blue (57%)



Red (100%)

Yellow (36%)

Blue (57%)

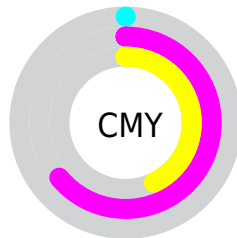


Cyan (0%)

Magenta (64%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (64%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1780, 30.9586, 30.1190 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 50.1780, 30.9586, 30.1190 by changing the saturation by 10% instead.


 50.1780, 30.9586,
30.1190


 50.1780, 30.9586,
30.1190

377.8021,
306.3475, 316.6833


 35.7732, 20.5673,
19.6761


 89.6288, 61.1749,
60.9135


 24.4284, 12.8081,
11.9781


 115.4055, 81.7687,
82.1023

 15.7782, 7.2965,
6.6064


 145.7036,
106.5321, 107.7101

 9.4572, 3.6482,
3.1425

 180.8885,
135.8496, 138.1554

 5.1000, 1.4788,
1.1679

221.3254,
170.1054, 173.8569

 2.3414, 0.2737,
0.0000

267.3797,

 0.8157, 0.0000,

209.6841, 215.2330

0.0000

319.4168,
254.9700, 262.7023

■ 0.0000, 0.0000,
0.0000

■ 50.1780, 30.9586,
30.1190

■ 50.1780, 30.9586,
30.1190

■ 47.1006, 26.7692,
23.0346

■ 54.2011, 36.7177,
38.5109

■ 44.8795, 23.9850,
17.1826

■ 59.2431, 44.1794,
48.2757

■ 43.4104, 22.4131,
12.4807

■ 65.3724, 53.4680,
59.4756

■ 42.7976, 21.8831,
10.1326

■ 72.6509, 64.6946,
72.1685

■ 81.1352, 77.9615,
86.4087

90.8785, 93.3638,
102.2478

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.



47.8561, 30.9586, 59.9382



50.1780, 30.9586, 30.1190



46.0797, 30.9586, 12.8299

Triad

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



50.1780, 30.9586, 30.1190



20.7356, 30.9586, 7.1669



22.5713, 30.9586, 100.6515

Complementary

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



50.1780, 30.9586, 30.1190



50.8363, 78.0604, 68.2704

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.



17.3620, 30.9586, 69.9157



50.1780, 30.9586, 30.1190



16.4629, 30.9586, 16.5257

Square

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



50.1780, 30.9586, 30.1190



28.1436, 30.9586, 4.5565



15.3662, 30.9586, 37.5728



30.7452, 30.9586, 110.7872

Rectangle

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



50.1780, 30.9586, 30.1190



40.6656, 30.9586, 7.4063



15.3662, 30.9586, 37.5728



20.4742, 30.9586, 91.8204

Sweetspot

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



50.1788, 30.9603, 30.1195



76.6693, 70.9580, 78.9750



45.8767, 27.2477, 97.4490



15.9024, 14.3952, 16.0467



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.



50.1788, 30.9603, 30.1195



46.3291, 25.7693, 21.1031



49.7898, 35.2681, 14.3106



18.2528, 18.0844, 19.9484



22.4232, 11.4586, 5.6131



2.2310, 1.1348, 0.7977

Inverse Universe

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



50.1788, 30.9603, 30.1195



46.3291, 25.7693, 21.1031



50.1626, 64.8918, 104.4892



18.2528, 18.0844, 19.9484



22.4232, 11.4586, 5.6131



2.2310, 1.1348, 0.7977

Previews

White Background



This preview shows how the XYZ color 50.1780, 30.9586, 30.1190 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 50.1780, 30.9586, 30.1190 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 50.1780, 30.9586, 30.1190

Background



This preview shows how black text looks on a background with the XYZ color 50.1780, 30.9586, 30.1190.



This preview shows how white text looks on a background with the XYZ color 50.1780, 30.9586,

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

50.1780, 30.9586, 30.1190

Protanopia

30.8971, 31.1784, 47.0374

Deuteranopia

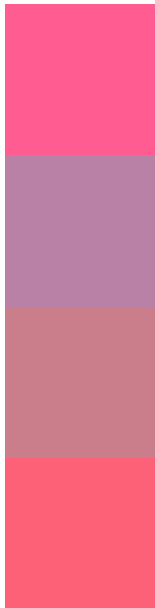
31.5888, 31.0218, 27.9898



Tritanopia

47.3036, 30.8504, 17.0972

Trichromacy



Original Color

50.1780, 30.9586, 30.1190

Protanomaly

35.0750, 28.9296, 40.2945

Deuteranomaly

36.5516, 29.3717, 28.5538

Tritanomaly

48.1729, 30.7881, 21.1730

Monochromacy



Original Color

50.1780, 30.9586, 30.1190

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

33.0274, 27.6932, 30.7987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1780, 30.9586, 30.1190 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, 92, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 145)  
}
```

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, 92, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 145) }
```

Border

The CSS property to change the border of an element to XYZ 50.1780, 30.9586, 30.1190 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, 92, 145) }
```


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

```
.border{ border-color:rgb(255, 92, 145) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1780, 30.9586, 30.1190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 145) }
```

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

```
.background{ background-color: rgb(255, 92,  
145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor