

Converting Colors

XYZ(51.7232, 33.0555, 33.6973)

Have a look what the booklet for
XYZ(51.7232, 33.0555, 33.6973)
contains.

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Color

**XYZ(51.7411, 33.0627,
33.7917)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6699
RGB	255, 102, 153
RGB Percent	100%, 40%, 60%
CMY	0.0000, 0.6000, 0.4000
CMYK	0.00, 0.60, 0.40, 0.00
HSL	340°, 100%, 70%
HSV	340°, 60%, 100%
XYZ	51.7411, 33.0627, 33.7917
YIQ	153.5610, 74.8170, 48.2970

Conversions

Conversions Part 2

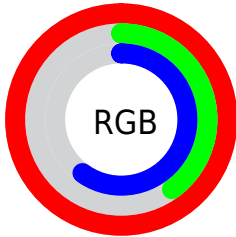
Format	Color
R_{YB}	255, 102, 153
Decimal	16737945
CIE _{Lab}	64.21, 62.52, 2.89
CIE _{LCh}	64, 62.586, 2.644
Yxy	33.0627, 0.4363, 0.2788
Android (android.graphics.Color)	4294928025 (0xFFFF6699)
YUV	153.5610, -0.2766, 88.9620
Hunter-Lab	57.5002, 59.9966, 5.4066

Details

The XYZ color **51.7411, 33.0627, 33.7917** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.1405, 78.7051, 69.5755**, and the grayscale version is **30.5026, 32.0912, 34.9473**.

A 20% lighter version of the original color is **64.9006, 50.5613, 65.3701**, and **25.4393, 14.0145, 13.9346** is the 20% darker color. If you saturate the color by 10%, you get **48.3035, 28.2769, 26.2046**, and if you desaturate by 10%, it is **56.1510, 39.4729, 42.6906**.

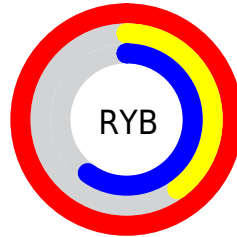
Distribution



Red (100%)

Green (40%)

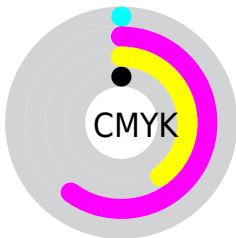
Blue (60%)



Red (100%)

Yellow (40%)

Blue (60%)

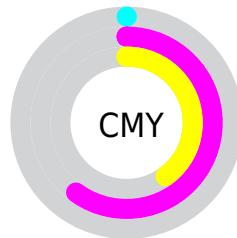


Cyan (0%)

Magenta (60%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7411, 33.0627, 33.7917 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 51.7411, 33.0627, 33.7917 by changing the saturation by 10% instead.


 51.7411, 33.0627,
33.7917


 51.7411, 33.0627,
33.7917

383.7767,
315.9322, 333.9430

 37.0222, 22.1745,
22.4576


 91.9258, 64.4734,
66.7398


 25.3984, 13.9852,
13.9920


 118.1223, 85.7647,
89.1908

 16.5045, 8.1103,
7.9764

 148.8754,
111.2924, 116.1846

 9.9749, 4.1656,
3.9923

 184.5503,
141.4411, 148.1396

 5.4445, 1.7666,
1.6211

225.5126,
176.5950, 185.4744

 2.5477, 0.4663,
0.3058

272.1275,

 0.9194, 0.0000,

217.1385, 228.6076

0.0000

324.7604,
263.4561, 277.9576

■ 0.0000, 0.0000,
0.0000

■ 51.7411, 33.0627,
33.7917

■ 51.7411, 33.0627,
33.7917

■ 48.3035, 28.2769,
26.2046

■ 56.1510, 39.4729,
42.6906

■ 45.7538, 24.9603,
19.8588

■ 61.6025, 47.6334,
52.9625

■ 43.9967, 22.9365,
14.6782

■ 68.1613, 57.6636,
64.6666

■ 42.8796, 21.9160,
10.5640

■ 75.8866, 69.6708,
77.8577

■ 42.8792, 21.9157,
10.5626

■ 84.8337, 83.7541,
92.5878

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.



49.1499, 33.0627, 63.4526



51.7411, 33.0627, 33.7917



48.0967, 33.0627, 15.5477

Triad

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



51.7411, 33.0627, 33.7917



23.0892, 33.0627, 8.5356



24.2174, 33.0627, 99.1944

Complementary

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



51.7411, 33.0627, 33.7917



52.1405, 78.7051, 69.5755

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.



19.1342, 33.0627, 69.3232



51.7411, 33.0627, 33.7917



18.5742, 33.0627, 17.8875

Square

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



51.7411, 33.0627, 33.7917



30.6444, 33.0627, 5.9221



17.2744, 33.0627, 38.3018



32.2190, 33.0627, 110.2196

Rectangle

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



51.7411, 33.0627, 33.7917



42.9589, 33.0627, 9.4493



17.2744, 33.0627, 38.3018



22.1660, 33.0627, 90.5003

Sweetspot

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



51.7420, 33.0645, 33.7923



77.5737, 72.3135, 80.6739



47.7049, 29.5623, 97.7992



16.0812, 14.6595, 16.3933



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.



51.7420, 33.0645, 33.7923



47.7244, 27.4998, 24.8360



51.2937, 37.5297, 17.1133



18.2591, 18.0869, 19.9814



22.4669, 11.4761, 5.8432



2.2358, 1.1367, 0.8231

Inverse Universe

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



51.7420, 33.0645, 33.7923



47.7244, 27.4998, 24.8360



51.6887, 66.3617, 104.6923



18.2591, 18.0869, 19.9814



22.4669, 11.4761, 5.8432



2.2358, 1.1367, 0.8231

Previews

White Background



This preview shows how the XYZ color 51.7411, 33.0627, 33.7917 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 51.7411, 33.0627, 33.7917 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 51.7411, 33.0627, 33.7917

Background



This preview shows how black text looks on a background with the XYZ color 51.7411, 33.0627, 33.7917.



This preview shows how white text looks on a background with the XYZ color 51.7411, 33.0627,

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

51.7411, 33.0627, 33.7917

Protanopia

32.9508, 33.3874, 50.0551

Deuteranopia

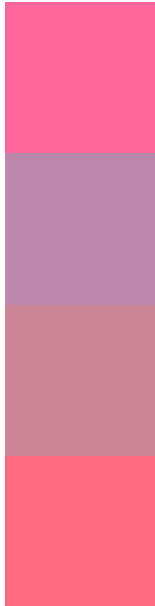
33.9341, 33.3225, 31.8375



Tritanopia

48.8244, 32.9171, 20.6099

Trichromacy



Original Color

51.7411, 33.0627, 33.7917

Protanomaly

37.0860, 31.3168, 43.6253

Deuteranomaly

38.7142, 31.7824, 32.5279

Tritanomaly

49.6913, 32.8024, 24.8316

Monochromacy



Original Color

51.7411, 33.0627, 33.7917

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

35.9826, 30.7374, 34.6083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7411, 33.0627, 33.7917 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, 102, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 153)  
}
```

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, 102, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 153) }
```

Border

The CSS property to change the border of an element to XYZ 51.7411, 33.0627, 33.7917 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, 102, 153) }
```


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

```
.border{ border-color:rgb(255, 102, 153) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7411, 33.0627, 33.7917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 153) }
```

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

```
.background{ background-color: rgb(255,  
102, 153) }
```

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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