

Converting Colors

XYZ(65.2957, 30.0319, 35.4746)

Have a look what the booklet for
XYZ(65.2957, 30.0319, 35.4746)
contains.

XYZ(47.5852, 23.7981, 35.3432)	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(47.5852, 23.7981,
35.3432)**

Conversions

Conversions Part 1	
Format	Color
Hex	FF00A0
RGB	255, 0, 160
RGB Percent	100%, 0%, 63%
CMY	0.0000, 0.9998, 0.3725
CMYK	0.00, 1.00, 0.37, 0.00
HSL	322°, 100%, 50%
HSV	322°, 100%, 100%
XYZ	47.5852, 23.7981, 35.3432
YIQ	94.4850, 100.6200, 103.8200

Conversions

Conversions Part 2

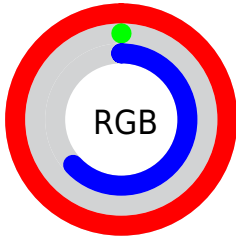
Format	Color
RYB	255, 0, 160
Decimal	16711840
CIELab	55.89, 87.17, -13.51
CIELCh	56, 88.213, 351.190
Yxy	23.7981, 0.4459, 0.2230
Android (android.graphics.Color)	4294901920 (0xFFFF00A0)
YUV	94.4850, 32.2989, 140.7717
Hunter-Lab	48.7833, 88.7453, -8.8069

Details

The XYZ color **47.5852, 23.7981, 35.3432** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **37.8292, 72.3478, 22.8122**, and the grayscale version is **10.6717, 11.2274, 12.2267**.

A 20% lighter version of the original color is **58.1594, 35.4737, 68.0717**, and **24.4985, 12.3106, 15.5530** is the 20% darker color. If you saturate the color by 10%, you get **47.5831, 23.7973, 35.3325**, and if you desaturate by 10%, it is **48.8085, 24.8631, 40.0106**.

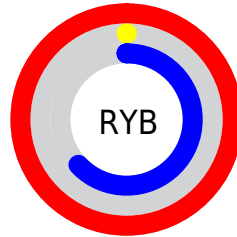
Distribution



Red (100%)

Green (0%)

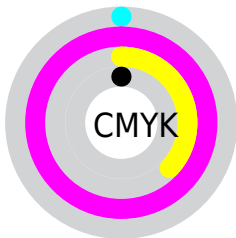
Blue (63%)



Red (100%)

Yellow (0%)

Blue (63%)

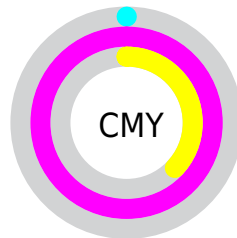


Cyan (0%)

Magenta (100%)

Yellow (37%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5852, 23.7981, 35.3432 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 47.5852, 23.7981, 35.3432 by changing the saturation by 10% instead.


 47.5852, 23.7981,
35.3432


 47.5852, 23.7981,
35.3432


367.7556,
271.7981, 341.0308


 33.7084, 15.1839,
23.6417


 85.7999, 49.7005,
69.1747


 22.8315, 8.9486,
14.8583


 110.8686, 67.7576,
92.1418


 14.5891, 4.7076,
8.5745


 140.3985, 89.7310,
119.7011

 8.6160, 2.0768,
4.3717

 174.7552,
116.0053, 152.2713

 4.5467, 0.6515,
1.8314

 214.3038,
146.9647, 190.2708

 2.0158, 0.0000,
0.4485

259.4099,


 0.6428, 0.0000,

182.9937, 234.1182


0.0000


310.4387,
224.4767, 284.2320


 0.0000, 0.0000,
0.0000


 47.5852, 23.7981,
35.3432


 47.5852, 23.7981,
35.3432

 47.5831, 23.7973,
35.3325

 48.8085, 24.8631,
40.0106

 50.5638, 26.8881,
45.1754

 52.9953, 30.1596,
50.8924

 56.1917, 34.8528,
57.1976

 60.2275, 41.1147,
64.1218

65.1678, 49.0737,
71.6928

71.0712, 58.8448,
79.9360

77.9910, 70.5330,
88.8750

85.9765, 84.2353,
98.5316

Harmonies

Analogous

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



41.2599, 23.7981, 78.3566



47.5852, 23.7981, 35.3432



45.8367, 23.7981, 10.6169

Triad

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



47.5852, 23.7981, 35.3432



16.3302, 23.7981, 0.9863



12.5434, 23.7981, 97.3571

Complementary

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



47.5852, 23.7981, 35.3432



37.8292, 72.3478, 22.8122

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.



8.9650, 23.7981, 51.4976



47.5852, 23.7981, 35.3432



10.6581, 23.7981, 4.4041

Square

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



47.5852, 23.7981, 35.3432



25.7091, 23.7981, 0.6419



8.3957, 23.7981, 18.3284



19.7877, 23.7981, 128.0591

Rectangle

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



47.5852, 23.7981, 35.3432



40.4946, 23.7981, 3.8856



8.3957, 23.7981, 18.3284



10.9735, 23.7981, 82.0963

Sweetspot

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



47.5859, 23.7995, 35.3436



71.0553, 58.8182, 79.9148



22.6197, 9.5768, 95.2641



14.6504, 11.6594, 16.3434



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.



47.5859, 23.7995, 35.3436



47.5831, 23.7973, 35.3325



41.5302, 21.3772, 3.4548



18.4888, 18.1788, 21.1910



24.9379, 12.4645, 18.8553



2.4810, 1.2348, 2.1145

Inverse Universe

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



47.5859, 23.7995, 35.3436



47.5831, 23.7973, 35.3325



48.8131, 76.7413, 80.6523



18.4888, 18.1788, 21.1910



24.9379, 12.4645, 18.8553



2.4810, 1.2348, 2.1145

Previews

White Background



This preview shows how the XYZ color 47.5852, 23.7981, 35.3432 looks on a white background.

Color Contrast Check

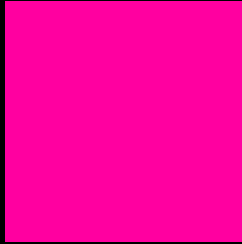
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.5852, 23.7981, 35.3432 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 × Fail

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

XYZ 47.5852, 23.7981, 35.3432

Background



This preview shows how black text looks on a background with the XYZ color 47.5852, 23.7981, 35.3432.



This preview shows how white text looks on a background with the XYZ color 47.5852, 23.7981,

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

47.5852, 23.7981, 35.3432

Protanopia

27.0102, 24.5394, 77.4417

Deuteranopia

24.6964, 24.1533, 31.7942



Tritanopia

41.7986, 24.0764, 7.4452

Trichromacy



Original Color
47.5852, 23.7981, 35.3432



Protanomaly
27.2063, 17.4726, 59.0654



Deuteranomaly
28.3715, 18.5537, 32.2229



Tritanomaly
42.8427, 22.9469, 14.2277

Monochromacy



Original Color
47.5852, 23.7981, 35.3432



Achromatopsia
10.8771, 11.4435, 12.4620



Achromatomaly
18.0825, 11.3359, 18.6878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5852, 23.7981, 35.3432 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, 0, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 160)  
}
```

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, 0, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 160) }
```

Border

The CSS property to change the border of an element to XYZ 47.5852, 23.7981, 35.3432 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, 0, 160) }
```


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

```
.border{ border-color:rgb(255, 0, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5852, 23.7981, 35.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 160) }
```

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

```
.background{ background-color: rgb(255, 0,  
160) }
```

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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