

Converting Colors

XYZ(53.0643, 26.2244, 63.4725)

Have a look what the booklet for
XYZ(53.0643, 26.2244, 63.4725)
contains.

XYZ(53.0168, 26.2010, 63.2358)	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(53.0168, 26.2010,
63.2358)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0DD2
RGB	255, 13, 210
RGB Percent	100%, 5%, 82%
CMY	0.0000, 0.9488, 0.1765
CMYK	0.00, 0.95, 0.18, 0.00
HSL	311°, 100%, 53%
HSV	311°, 95%, 100%
XYZ	53.0168, 26.2010, 63.2358
YIQ	107.8160, 80.9950, 112.5710

Conversions

Conversions Part 2

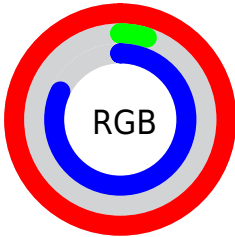
Format	Color
R_{YB}	255, 13, 210
Decimal	16715218
CIE _{Lab}	58.23, 91.64, -38.89
CIE _{LCh}	58, 99.551, 337.007
Yxy	26.2010, 0.3722, 0.1839
Android (android.graphics.Color)	4294905298 (0xFFFF0DD2)
YUV	107.8160, 50.3767, 129.0804
Hunter-Lab	51.1869, 95.3041, -37.4154

Details

The XYZ color **53.0168, 26.2010, 63.2358** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **36.6916, 71.9119, 15.9557**, and the grayscale version is **14.0576, 14.7897, 16.1059**.

A 20% lighter version of the original color is **64.4440, 38.7881, 98.6980**, and **27.9087, 13.7040, 32.1845** is the 20% darker color. If you saturate the color by 10%, you get **52.5728, 25.7931, 61.6077**, and if you desaturate by 10%, it is **54.1835, 27.5745, 66.5836**.

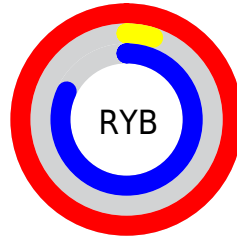
Distribution



Red (100%)

Green (5%)

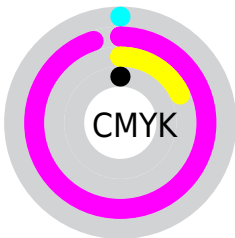
Blue (82%)



Red (100%)

Yellow (5%)

Blue (82%)

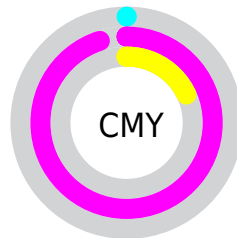


Cyan (0%)

Magenta (95%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (95%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0168, 26.2010, 63.2358 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 53.0168, 26.2010, 63.2358 by changing the saturation by 10% instead.


 53.0168, 26.2010,
63.2358

 53.0168, 26.2010,
63.2358


388.6094,
283.7674, 454.5562


 38.0437, 16.9741,
45.5898


 93.7945, 53.5990,
111.0985

 26.1940, 10.2160,
31.5759


 120.3298, 72.5389,
142.1522

 17.1023, 5.5424,
20.7756


 151.4498, 95.4853,
178.5123

 10.4032, 2.5689,
12.7705

 187.5201,
122.8224, 220.5972

 5.7314, 0.9111,
7.1418

 228.9058,
154.9348, 268.8255

 2.7215, 0.0000,
3.4712

275.9723,

 1.0083, 0.0000,

192.2069, 323.6158

1.3400

329.0851,
235.0229, 385.3865

■ 0.0000, 0.0000,
0.0942

■ 0.0000, 0.0000,
0.0000

■ 53.0168, 26.2010,
63.2358

■ 53.0168, 26.2010,
63.2358

■ 52.5728, 25.7931,
61.6077

■ 54.1835, 27.5745,
66.5836

■ 55.9263, 30.0722,
70.2104

■ 58.3436, 33.8903,
74.1499

■ 61.5149, 39.1876,
78.4292

65.5083, 46.1004,
83.0718

70.3844, 54.7493,
88.0987

76.1980, 65.2436,
93.5286

82.9991, 77.6835,
99.3791

90.8344, 92.1619,
105.6662

Harmonies

Analogous

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



41.6793, 26.2010, 121.5546



53.0168, 26.2010, 63.2358



55.8343, 26.2010, 21.1533

Triad

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



53.0168, 26.2010, 63.2358



22.1738, 26.2010, 0.1108



10.5704, 26.2010, 90.2907

Complementary

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



53.0168, 26.2010, 63.2358



36.6916, 71.9119, 15.9557

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.



8.2228, 26.2010, 37.4448



53.0168, 26.2010, 63.2358



13.3682, 26.2010, 1.5509

Square

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



53.0168, 26.2010, 63.2358



35.1319, 26.2010, 0.6118



9.0483, 26.2010, 9.6246



16.8819, 26.2010, 144.1732

Rectangle

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



53.0168, 26.2010, 63.2358



51.8862, 26.2010, 7.7184



9.0483, 26.2010, 9.6246



9.4032, 26.2010, 70.6957

Sweetspot

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



53.0174, 26.2022, 63.2363



74.2826, 61.7691, 91.7921



19.9050, 8.3908, 95.1782



15.3652, 12.2569, 19.1469



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.



53.0174, 26.2022, 63.2363



52.5728, 25.7931, 61.6077



43.2158, 22.2815, 11.6214



18.6392, 18.2390, 21.9833



27.5225, 13.4983, 32.4656



2.7156, 1.3286, 3.3496

Inverse Universe

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



53.0174, 26.2022, 63.2363



52.5728, 25.7931, 61.6077



44.0009, 74.8356, 54.4462



18.6392, 18.2390, 21.9833



27.5225, 13.4983, 32.4656



2.7156, 1.3286, 3.3496

Previews

White Background



This preview shows how the XYZ color 53.0168, 26.2010, 63.2358 looks on a white background.

Color Contrast Check

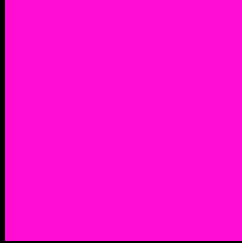
Large Text (above 18pt) WCAG AA ✓ Pass

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 53.0168, 26.2010, 63.2358 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 53.0168, 26.2010, 63.2358

Background



This preview shows how black text looks on a background with the XYZ color 53.0168, 26.2010, 63.2358.



This preview shows how white text looks on a background with the XYZ color 53.0168, 26.2010,

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

53.0168, 26.2010, 63.2358

Protanopia

30.3890, 26.8607, 98.1907

Deuteranopia

27.1958, 26.5614, 56.5168



Tritanopia

42.5109, 26.3036, 12.0690

Trichromacy



Original Color

53.0168, 26.2010, 63.2358



Protanomaly

30.9087, 19.8156, 83.8571



Deuteranomaly

31.1526, 20.6390, 58.2189



Tritanomaly

44.7448, 24.8318, 24.2645

Monochromacy



Original Color

53.0168, 26.2010, 63.2358



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

22.1913, 14.3865, 28.3953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0168, 26.2010, 63.2358 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, 13, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 13, 210)  
}
```

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, 13, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 13, 210) }
```

Border

The CSS property to change the border of an element to XYZ 53.0168, 26.2010, 63.2358 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, 13, 210) }
```


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

```
.border{ border-color:rgb(255, 13, 210) }
```

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

Here you see how a box with a 4 pixel rgb(255, 13, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 13, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 13, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 13,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0168, 26.2010, 63.2358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 13, 210) }
```

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

```
.background{ background-color: rgb(255, 13,  
210) }
```

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