

Converting Colors

XYZ(53.4719, 26.1528, 66.3425)

Have a look what the booklet for
XYZ(53.4719, 26.1528, 66.3425)
contains.

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Color

**XYZ(53.5057, 26.1663,
66.5205)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00D7
RGB	255, 0, 215
RGB Percent	100%, 0%, 84%
CMY	0.0000, 0.9998, 0.1569
CMYK	0.00, 1.00, 0.16, 0.00
HSL	309°, 100%, 50%
HSV	309°, 100%, 100%
XYZ	53.5057, 26.1663, 66.5205
YIQ	100.7550, 82.9650, 120.9250

Conversions

Conversions Part 2

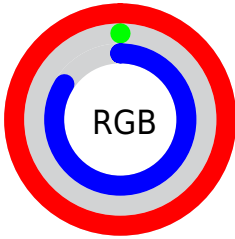
Format	Color
RYB	255, 0, 215
Decimal	16711895
CIELab	58.19, 93.04, -41.78
CIELCh	58, 101.996, 335.816
Yxy	26.1663, 0.3660, 0.1790
Android (android.graphics.Color)	4294901975 (0xFFFF00D7)
YUV	100.7550, 56.3228, 135.2729
Hunter-Lab	51.1530, 97.1920, -41.2949

Details

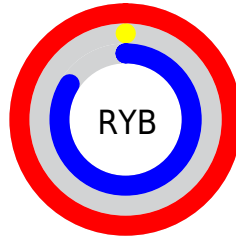
The XYZ color **53.5057, 26.1663, 66.5205** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **36.1446, 71.6739, 13.9418**, and the grayscale version is **12.1596, 12.7928, 13.9314**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **28.3375, 13.8755, 34.4424** is the 20% darker color. If you saturate the color by 10%, you get **53.5047, 26.1659, 66.5149**, and if you desaturate by 10%, it is **54.3860, 27.0938, 69.3818**.

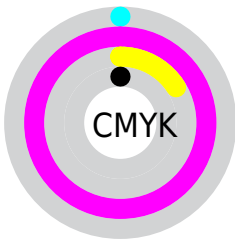
Distribution



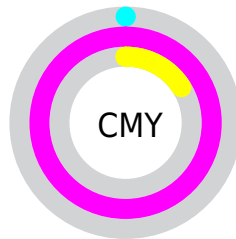
- Red (100%)
- Green (0%)
- Blue (84%)



- Red (100%)
- Yellow (0%)
- Blue (84%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.5057, 26.1663, 66.5205 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 53.5057, 26.1663, 66.5205 by changing the saturation by 10% instead.


 53.5057, 26.1663,
66.5205


 53.5057, 26.1663,
66.5205


390.4515,
283.5975, 466.6910


 38.4357, 16.9481,
48.2359

 94.5092, 53.5431,
115.8672


 26.4998, 10.1975,
33.6524


 121.1735, 72.4705,
147.7664


 17.3325, 5.5301,
22.3515


 152.4332, 95.4031,
185.0408

 10.5686, 2.5615,
13.9146

 188.6538,
122.7252, 228.1090

 5.8427, 0.9074,
7.9232

 230.2006,
154.8213, 277.3897

 2.7894, 0.0000,
3.9588

277.4388,

 1.0434, 0.0000,

192.0758, 333.3012

1.6028

330.7340,
234.8731, 396.2621

■ 0.0000, 0.0000,
0.2928

■ 0.0000, 0.0000,
0.0000

■ 53.5057, 26.1663,
66.5205

■ 53.5057, 26.1663,
66.5205

■ 53.5047, 26.1659,
66.5149

■ 54.3860, 27.0938,
69.3818

■ 55.7458, 28.9603,
72.4652

■ 57.7284, 32.0519,
75.8191

■ 60.4211, 36.5433,
79.4731

■ 63.8973, 42.5810,
83.4519

■ 68.2210, 50.2928,
87.7773

■ 73.4497, 59.7936,
92.4690

■ 79.6356, 71.1878,
97.5447

■ 86.8270, 84.5719,
103.0210

Harmonies

Analogous

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



41.5559, 26.1663, 127.1823



53.5057, 26.1663, 66.5205



56.8492, 26.1663, 22.1273

Triad

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



53.5057, 26.1663, 66.5205



22.5359, 26.1663, 0.0000



10.1345, 26.1663, 89.8727

Complementary

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



53.5057, 26.1663, 66.5205



36.1446, 71.6739, 13.9418

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.



7.9139, 26.1663, 35.9702



53.5057, 26.1663, 66.5205



13.3825, 26.1663, 1.2580

Square

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



53.5057, 26.1663, 66.5205



35.9476, 26.1663, 0.5098



8.8660, 26.1663, 8.6987



16.3403, 26.1663, 146.8404

Rectangle

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



53.5057, 26.1663, 66.5205



53.0295, 26.1663, 7.9248



8.8660, 26.1663, 8.6987



9.0109, 26.1663, 69.6668

Sweetspot

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



53.5064, 26.1675, 66.5210



73.4374, 59.7710, 92.4584



18.8609, 7.6389, 95.0881



15.2226, 11.8883, 19.3568



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.



53.5064, 26.1675, 66.5210



53.5047, 26.1659, 66.5149



43.0558, 21.9873, 11.4889



18.6630, 18.2485, 22.1085



28.0033, 13.6906, 34.9977



2.7581, 1.3456, 3.5734

Inverse Universe

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



53.5064, 26.1675, 66.5210



53.5047, 26.1659, 66.5149



42.6225, 74.2651, 48.0537



18.6630, 18.2485, 22.1085



28.0033, 13.6906, 34.9977



2.7581, 1.3456, 3.5734

Previews

White Background



This preview shows how the XYZ color 53.5057, 26.1663, 66.5205 looks on a white background.

Color Contrast Check

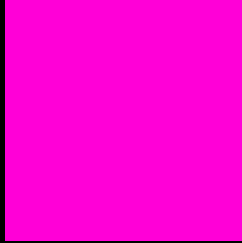
Large Text (above 18pt) WCAG AA ✓ Pass

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 53.5057, 26.1663, 66.5205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

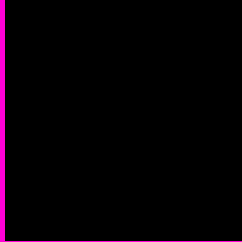
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 53.5057, 26.1663, 66.5205

Background



This preview shows how black text looks on a background with the XYZ color 53.5057, 26.1663, 66.5205.



This preview shows how white text looks on a background with the XYZ color 53.5057, 26.1663,

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

53.5057, 26.1663, 66.5205

Protanopia

30.4753, 26.9052, 98.1947

Deuteranopia

27.5100, 26.8720, 59.6140



Tritanopia

42.3599, 26.4514, 12.3242

Trichromacy



Original Color

53.5057, 26.1663, 66.5205



Protanomaly

30.8134, 19.1274, 84.5060



Deuteranomaly

30.9833, 19.9746, 61.2540



Tritanomaly

44.4037, 24.3441, 25.2802

Monochromacy



Original Color

53.5057, 26.1663, 66.5205



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

20.6205, 12.7879, 26.9727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5057, 26.1663, 66.5205 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 215) }
```

Border

The CSS property to change the border of an element to XYZ 53.5057, 26.1663, 66.5205 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, 215) }
```


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

```
.border{ border-color:rgb(255, 0, 215) }
```

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, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5057, 26.1663, 66.5205 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, 215) }
```

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

```
.background{ background-color: rgb(255, 0,  
215) }
```

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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