

Converting Colors

XYZ(54.8729, 26.7131, 73.7197)

Have a look what the booklet for
XYZ(54.8729, 26.7131, 73.7197)
contains.

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Color

**XYZ(54.8306, 26.6962,
73.4972)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00E1
RGB	255, 0, 225
RGB Percent	100%, 0%, 88%
CMY	0.0000, 0.9998, 0.1176
CMYK	0.00, 1.00, 0.12, 0.00
HSL	307°, 100%, 50%
HSV	307°, 100%, 100%
XYZ	54.8306, 26.6962, 73.4972
YIQ	101.8950, 79.7550, 124.0350

Conversions

Conversions Part 2

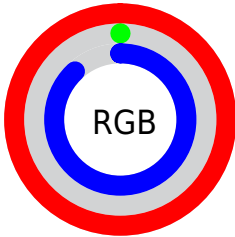
Format	Color
R_{YB}	255, 0, 225
Decimal	16711905
CIE _{Lab}	58.69, 94.28, -46.66
CIE _{LCh}	59, 105.195, 333.667
Yxy	26.6962, 0.3537, 0.1722
Android (android.graphics.Color)	4294901985 (0xFFFF00E1)
YUV	101.8950, 60.6908, 134.2731
Hunter-Lab	51.6684, 99.0050, -48.1710

Details

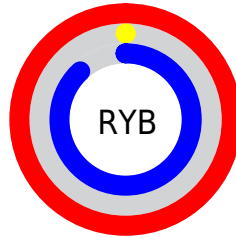
The XYZ color **54.8306, 26.6962, 73.4972** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **35.9956, 71.6143, 13.1574**, and the grayscale version is **12.4416, 13.0896, 14.2545**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **29.1538, 14.2020, 38.7408** is the 20% darker color. If you saturate the color by 10%, you get **54.8299, 26.6960, 73.4933**, and if you desaturate by 10%, it is **55.6032, 27.5805, 75.7925**.

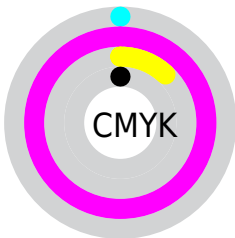
Distribution



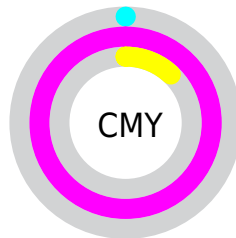
- Red (100%)
- Green (0%)
- Blue (88%)



- Red (100%)
- Yellow (0%)
- Blue (88%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.8306, 26.6962, 73.4972 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 54.8306, 26.6962, 73.4972 by changing the saturation by 10% instead.


 54.8306, 26.6962,
73.4972


 54.8306, 26.6962,
73.4972

395.4163,
286.1832, 491.8531

 39.4994, 17.3452,
53.8883

 96.4425, 54.3960,
125.9102


 27.3309, 10.4809,
38.1198


 123.4539, 73.5135,
159.5515

 17.9598, 5.7190,
25.7731


 155.0894, 96.6554,
198.7073

 11.0206, 2.6750,
16.4298

 191.7144,
124.2060, 243.7961

 6.1481, 0.9645,
9.6711

 233.6943,
156.5496, 295.2366

 2.9769, 0.0000,
5.0787

281.3943,

 1.1415, 0.0000,

194.0708, 353.4472

2.2340

335.1799,
237.1538, 418.8466

■ 0.0594, 0.0000,
0.6939

■ 0.0000, 0.0000,
0.0000

■ 54.8306, 26.6962,
73.4972

■ 54.8306, 26.6962,
73.4972

■ 54.8299, 26.6960,
73.4933

■ 55.6032, 27.5805,
75.7925

■ 56.8500, 29.4016,
78.2812

■ 58.7140, 32.4455,
81.0115

■ 61.2827, 36.8870,
84.0127

64.6292, 42.8725,
87.3094

68.8175, 50.5299,
90.9231

73.9051, 59.9739,
94.8731

79.9442, 71.3090,
99.1769

86.9831, 84.6317,
103.8509

Harmonies

Analogous

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



41.8110, 26.6962, 137.7913



54.8306, 26.6962, 73.4972



59.1689, 26.6962, 24.7451

Triad

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



54.8306, 26.6962, 73.4972



23.8160, 26.6962, 0.0000



9.7924, 26.6962, 89.1392

Complementary

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



54.8306, 26.6962, 73.4972



35.9956, 71.6143, 13.1574

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.



7.7664, 26.6962, 33.8663



54.8306, 26.6962, 73.4972



13.9322, 26.6962, 0.9538

Square

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



54.8306, 26.6962, 73.4972



38.0832, 26.6962, 0.4833



8.9730, 26.6962, 7.5365



15.8628, 26.6962, 151.0532

Rectangle

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



54.8306, 26.6962, 73.4972



55.6518, 26.6962, 8.8245



8.9730, 26.6962, 7.5365



8.7308, 26.6962, 68.0640

Sweetspot

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



54.8312, 26.6973, 73.4977



73.8944, 59.9539, 94.8651



18.5800, 7.4940, 95.0750



15.3333, 11.9325, 19.9396



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.



54.8312, 26.6973, 73.4977



54.8299, 26.6960, 73.4933



43.4348, 22.1388, 13.4849



18.6952, 18.2614, 22.2780



28.6864, 13.9638, 38.5946



2.8180, 1.3696, 3.8892

Inverse Universe

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



54.8312, 26.6973, 73.4977



54.8299, 26.6960, 73.4933



41.8694, 73.9638, 44.0885



18.6952, 18.2614, 22.2780



28.6864, 13.9638, 38.5946



2.8180, 1.3696, 3.8892

Previews

White Background



This preview shows how the XYZ color 54.8306, 26.6962, 73.4972 looks on a white background.

Color Contrast Check

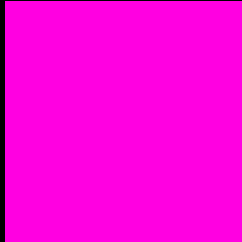
Large Text (above 18pt) WCAG AA ✓ Pass

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 54.8306, 26.6962, 73.4972 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 54.8306, 26.6962, 73.4972

Background



This preview shows how black text looks on a background with the XYZ color 54.8306, 26.6962, 73.4972.



This preview shows how white text looks on a background with the XYZ color 54.8306, 26.6962,

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

54.8306, 26.6962, 73.4972

Protanopia

30.9388, 27.5701, 98.2986

Deuteranopia

27.9648, 27.1976, 65.4038



Tritanopia

42.5549, 27.0076, 13.5598

Trichromacy



Original Color

54.8306, 26.6962, 73.4972



Protanomaly

31.6729, 19.6221, 87.7060



Deuteranomaly

31.3607, 20.1627, 67.2046



Tritanomaly

44.7034, 24.6534, 27.9936

Monochromacy



Original Color

54.8306, 26.6962, 73.4972



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

21.2573, 13.1563, 29.0228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.8306, 26.6962, 73.4972 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 225) }
```

Border

The CSS property to change the border of an element to XYZ 54.8306, 26.6962, 73.4972 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, 225) }
```


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

```
.border{ border-color:rgb(255, 0, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 54.8306, 26.6962, 73.4972 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, 225) }
```

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

```
.background{ background-color: rgb(255, 0,  
225) }
```

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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