

Converting Colors

XYZ(51.5428, 26.3741, 53.1020)

Have a look what the booklet for
XYZ(51.5428, 26.3741, 53.1020)
contains.

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Color

**XYZ(51.4965, 26.3720,
52.8282)**

Conversions

Conversions Part 1

Format	Color
Hex	FF24C1
RGB	255, 36, 193
RGB Percent	100%, 14%, 76%
CMY	0.0000, 0.8587, 0.2431
CMYK	0.00, 0.86, 0.24, 0.00
HSL	317°, 100%, 57%
HSV	317°, 86%, 100%
XYZ	51.4965, 26.3720, 52.8282
YIQ	119.3790, 80.1270, 95.2550

Conversions

Conversions Part 2

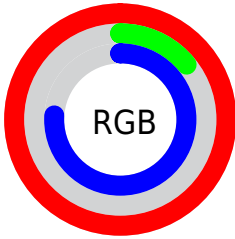
Format	Color
R _Y B	255, 36, 193
Decimal	16721089
CIE _{Lab}	58.39, 86.97, -28.90
CIE _{LCh}	58, 91.651, 341.619
Yxy	26.3720, 0.3940, 0.2018
Android (android.graphics.Color)	4294911169 (0xFFFF24C1)
YUV	119.3790, 36.2952, 118.9396
Hunter-Lab	51.3537, 89.1275, -25.0448

Details

The XYZ color **51.4965, 26.3720, 52.8282** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **38.6939, 72.7777, 23.5686**, and the grayscale version is **17.5289, 18.4417, 20.0830**.

A 20% lighter version of the original color is **64.2895, 39.7505, 94.7267**, and **26.6525, 13.2015, 25.5695** is the 20% darker color. If you saturate the color by 10%, you get **50.1939, 25.0243, 48.5168**, and if you desaturate by 10%, it is **53.3878, 28.8339, 57.5303**.

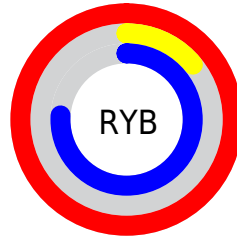
Distribution



Red (100%)

Green (14%)

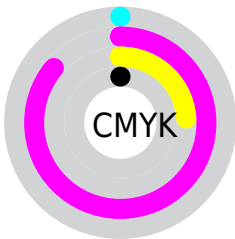
Blue (76%)



Red (100%)

Yellow (14%)

Blue (76%)

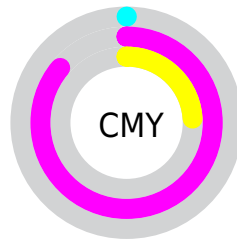


Cyan (0%)

Magenta (86%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (86%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4965, 26.3720, 52.8282 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 51.4965, 26.3720, 52.8282 by changing the saturation by 10% instead.


 51.4965, 26.3720,
52.8282

 51.4965, 26.3720,
52.8282


382.8457,
284.6035, 414.6732

 36.8265, 17.1021,
37.2789


 91.5669, 53.8745,
95.7905


 25.2463, 10.3073,
25.1260


 117.6980, 72.8759,
124.0405

 16.3903, 5.6032,
15.9511


 148.3803, 95.8899,
157.3612

 9.8934, 2.6053,
9.3356

 183.9790,
123.3010, 196.1711

 5.3901, 0.9294,
4.8609

 224.8596,
155.4935, 240.8887

 2.5150, 0.0000,
2.1086

271.3873,

 0.9028, 0.0000,

192.8518, 291.9325

0.6209

323.9275,
235.7603, 349.7212

■ 0.0000, 0.0000,
0.0000

■ 51.4965, 26.3720,
52.8282

■ 51.4965, 26.3720,
52.8282

■ 50.1939, 25.0243,
48.5168

■ 53.3878, 28.8339,
57.5303

■ 49.7666, 24.6706,
46.8305

■ 55.9663, 32.6064,
62.6579

■ 59.3139, 37.8526,
68.2412

■ 63.5003, 44.7106,
74.3059

■ 68.5867, 53.3026,
80.8752

74.6290, 63.7391,
87.9699

81.6780, 76.1212,
95.6096

89.7810, 90.5426,
103.8123

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



42.2234, 26.3720, 103.6951



51.4965, 26.3720, 52.8282



52.5642, 26.3720, 18.0154

Triad

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



51.4965, 26.3720, 52.8282



20.9812, 26.3720, 0.7619



12.1863, 26.3720, 92.0742

Complementary

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



51.4965, 26.3720, 52.8282



38.6939, 72.7777, 23.5686

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.



9.3566, 26.3720, 42.9826



51.4965, 26.3720, 52.8282



13.3286, 26.3720, 2.9018

Square

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



51.4965, 26.3720, 52.8282



32.4728, 26.3720, 0.9575



9.7009, 26.3720, 13.3490



18.8806, 26.3720, 135.7008

Rectangle

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



51.4965, 26.3720, 52.8282



48.1858, 26.3720, 7.0226



9.7009, 26.3720, 13.3490



10.8561, 26.3720, 74.5880

Sweetspot

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



51.4972, 26.3733, 52.8287



74.5467, 63.5957, 87.8771



23.3404, 10.8848, 95.4785



15.4851, 12.7940, 18.2708



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.



51.4972, 26.3733, 52.8287



49.7666, 24.6706, 46.8305



43.5966, 23.2131, 11.2246



18.5605, 18.2075, 21.5685



26.0714, 12.9179, 24.8243



2.5854, 1.2765, 2.6640

Inverse Universe

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



51.4972, 26.3733, 52.8287



49.7666, 24.6706, 46.8305



47.3760, 76.2505, 69.2879



18.5605, 18.2075, 21.5685



26.0714, 12.9179, 24.8243



2.5854, 1.2765, 2.6640

Previews

White Background



This preview shows how the XYZ color 51.4965, 26.3720, 52.8282 looks on a white background.

Color Contrast Check

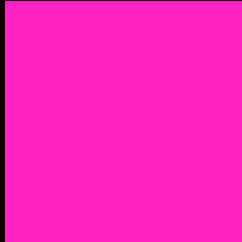
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.4965, 26.3720, 52.8282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

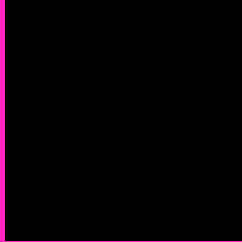
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.4965, 26.3720, 52.8282

Background



This preview shows how black text looks on a background with the XYZ color 51.4965, 26.3720, 52.8282.



This preview shows how white text looks on a background with the XYZ color 51.4965, 26.3720,

52.8282.

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

51.4965, 26.3720, 52.8282

Protanopia

30.5629, 26.9503, 98.1988

Deuteranopia

27.1018, 26.4997, 47.4026



Tritanopia

42.9799, 26.3309, 11.6212

Trichromacy



Original Color

51.4965, 26.3720, 52.8282



Protanomaly

30.9767, 21.0515, 78.7746



Deuteranomaly

31.5421, 22.1573, 48.5133



Tritanomaly

45.0163, 25.5853, 21.9679

Monochromacy



Original Color

51.4965, 26.3720, 52.8282



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

24.9091, 17.5449, 29.2678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4965, 26.3720, 52.8282 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, 36, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 193)  
}
```

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, 36, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 193) }
```

Border

The CSS property to change the border of an element to XYZ 51.4965, 26.3720, 52.8282 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, 36, 193) }
```


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

```
.border{ border-color:rgb(255, 36, 193) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4965, 26.3720, 52.8282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 193) }
```

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

```
.background{ background-color: rgb(255, 36,  
193) }
```

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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