

Converting Colors

XYZ(51.7760, 26.4957, 54.2631)

Have a look what the booklet for
XYZ(51.7760, 26.4957, 54.2631)
contains.

XYZ(51.7212, 26.4619, 54.0114)	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(51.7212, 26.4619,
54.0114)**

Conversions

Conversions Part 1

Format	Color
Hex	FF24C3
RGB	255, 36, 195
RGB Percent	100%, 14%, 76%
CMY	0.0000, 0.8587, 0.2353
CMYK	0.00, 0.86, 0.24, 0.00
HSL	316°, 100%, 57%
HSV	316°, 86%, 100%
XYZ	51.7212, 26.4619, 54.0114
YIQ	119.6070, 79.4850, 95.8770

Conversions

Conversions Part 2

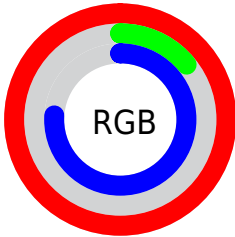
Format	Color
R_{YB}	255, 36, 195
Decimal	16721091
CIE _{Lab}	58.47, 87.20, -29.92
CIE _{LCh}	58, 92.193, 341.063
Yxy	26.4619, 0.3913, 0.2002
Android (android.graphics.Color)	4294911171 (0xFFFF24C3)
YUV	119.6070, 37.1687, 118.7397
Hunter-Lab	51.4411, 89.4499, -26.2436

Details

The XYZ color **51.7212, 26.4619, 54.0114** 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 **38.6006, 72.7404, 23.0773**, and the grayscale version is **17.5986, 18.5151, 20.1629**.

A 20% lighter version of the original color is **64.6049, 39.8766, 96.3874**, and **26.8000, 13.2605, 26.3463** is the 20% darker color. If you saturate the color by 10%, you get **50.4328, 25.1199, 49.7751**, and if you desaturate by 10%, it is **53.5959, 28.9171, 58.6260**.

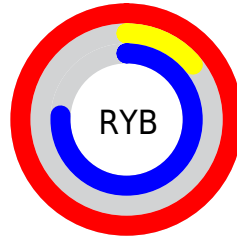
Distribution



Red (100%)

Green (14%)

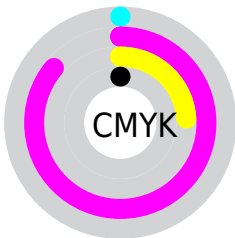
Blue (76%)



Red (100%)

Yellow (14%)

Blue (76%)

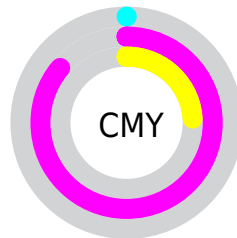


Cyan (0%)

Magenta (86%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (86%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7212, 26.4619, 54.0114 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 51.7212, 26.4619, 54.0114 by changing the saturation by 10% instead.

51.7212, 26.4619,
54.0114

51.7212, 26.4619,
54.0114

383.7010,
285.0422, 419.3293

37.0063, 17.1695,
38.2175

91.8966, 54.0192,
97.5476

25.3860, 10.3554,
25.8484

118.0878, 73.0528,
126.1269

16.4952, 5.6352,
16.4855

148.8351, 96.1024,
159.8052

9.9683, 2.6246,
9.7103

184.5039,
123.5522, 199.0010

5.4400, 0.9390,
5.1042

225.4595,
155.7867, 244.1327

2.5451, 0.0000,
2.2487

272.0673,

0.9180, 0.0000,

193.1903, 295.6190

0.7023

324.6927,
236.1473, 353.8783

■ 0.0000, 0.0000,
0.0000

■ 51.7212, 26.4619,
54.0114

■ 51.7212, 26.4619,
54.0114

■ 50.4328, 25.1199,
49.7751

■ 53.5959, 28.9171,
58.6260

■ 50.0107, 24.7683,
48.1161

■ 56.1554, 32.6821,
63.6535

■ 59.4816, 37.9197,
69.1237

■ 63.6439, 44.7681,
75.0621

■ 68.7038, 53.3496,
81.4916

74.7169, 63.7744,
88.4328

81.7341, 76.1438,
95.9049

89.8027, 90.5514,
103.9259

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.



42.2406, 26.4619, 105.5113



51.7212, 26.4619, 54.0114



52.9768, 26.4619, 18.4690

Triad

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



51.7212, 26.4619, 54.0114



21.2180, 26.4619, 0.7226



12.0948, 26.4619, 91.8314

Complementary

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



51.7212, 26.4619, 54.0114



38.6006, 72.7404, 23.0773

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.



9.3149, 26.4619, 42.4374



51.7212, 26.4619, 54.0114



13.4329, 26.4619, 2.7796

Square

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



51.7212, 26.4619, 54.0114



32.8598, 26.4619, 0.9517



9.7178, 26.4619, 13.0000



18.7536, 26.4619, 136.4088

Rectangle

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



51.7212, 26.4619, 54.0114



48.6554, 26.4619, 7.1883



9.7178, 26.4619, 13.0000



10.7806, 26.4619, 74.1639

Sweetspot

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



51.7219, 26.4632, 54.0119



74.6349, 63.6310, 88.3419



23.3404, 10.8848, 95.4785



15.5063, 12.8025, 18.3820



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.



51.7219, 26.4632, 54.0119



50.0107, 24.7683, 48.1161



43.5966, 23.2131, 11.2246



18.5678, 18.2104, 21.6073



26.1979, 12.9684, 25.4902



2.5969, 1.2811, 2.7245

Inverse Universe

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



51.7219, 26.4632, 54.0119



50.0107, 24.7683, 48.1161



47.3760, 76.2505, 69.2879



18.5678, 18.2104, 21.6073



26.1979, 12.9684, 25.4902



2.5969, 1.2811, 2.7245

Previews

White Background



This preview shows how the XYZ color 51.7212, 26.4619, 54.0114 looks on a white background.

Color Contrast Check

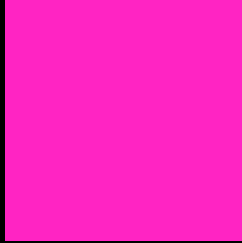
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.7212, 26.4619, 54.0114 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 51.7212, 26.4619, 54.0114

Background



This preview shows how black text looks on a background with the XYZ color 51.7212, 26.4619, 54.0114.



This preview shows how white text looks on a background with the XYZ color 51.7212, 26.4619,

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

51.7212, 26.4619, 54.0114

Protanopia

30.5629, 26.9503, 98.1988

Deuteranopia

27.2956, 26.7897, 48.5320



Tritanopia

42.7436, 26.3155, 11.8434

Trichromacy



Original Color

51.7212, 26.4619, 54.0114



Protanomaly

31.1192, 21.1085, 79.5250



Deuteranomaly

31.8525, 22.4377, 49.6658



Tritanomaly

44.7231, 25.4267, 22.2893

Monochromacy



Original Color

51.7212, 26.4619, 54.0114



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

25.2010, 17.6864, 29.6893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7212, 26.4619, 54.0114 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 195) }
```

Border

The CSS property to change the border of an element to XYZ 51.7212, 26.4619, 54.0114 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, 195) }
```


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

```
.border{ border-color:rgb(255, 36, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7212, 26.4619, 54.0114 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, 195) }
```

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

```
.background{ background-color: rgb(255, 36,  
195) }
```

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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