

Converting Colors

XYZ(53.9460, 25.7250, 96.7299)

Have a look what the booklet for
XYZ(53.9460, 25.7250, 96.7299)
contains.

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Color

**XYZ(53.9852, 25.7453,
96.7317)**

Conversions

Conversions Part 1

Format	Color
Hex	F000FF
RGB	240, 0, 255
RGB Percent	94%, 0%, 100%
CMY	0.0588, 0.9999, 0.0000
CMYK	0.06, 1.00, 0.00, 0.00
HSL	296°, 100%, 50%
HSV	296°, 100%, 100%
XYZ	53.9852, 25.7453, 96.7317
YIQ	100.8300, 61.1850, 130.1850

Conversions

Conversions Part 2

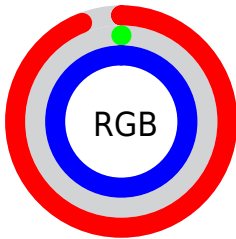
Format	Color
R _Y B	240, 0, 255
Decimal	15728895
CIE Lab	57.79, 96.00, -65.03
CIE LCh	58, 115.952, 325.885
Yxy	25.7453, 0.3059, 0.1459
Android (android.graphics.Color)	4293918975 (0xFFFF00FF)
YUV	100.8300, 76.0058, 122.0521
Hunter-Lab	50.7398, 101.1224, -77.5141

Details

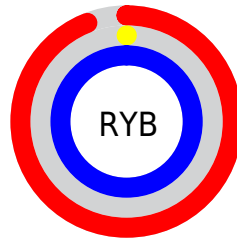
The XYZ color **53.9852, 25.7453, 96.7317** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.9578, 71.6219, 11.9303**, and the grayscale version is **12.1315, 12.7633, 13.8992**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **28.6684, 13.6149, 53.9403** is the 20% darker color. If you saturate the color by 10%, you get **53.9851, 25.7452, 96.7317**, and if you desaturate by 10%, it is **54.8565, 26.7277, 96.8754**.

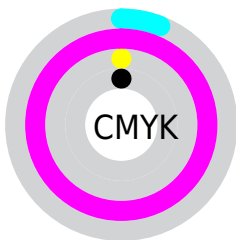
Distribution



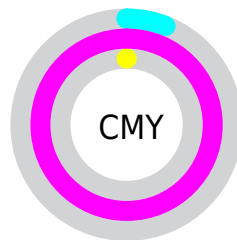
- Red (94%)
- Green (0%)
- Blue (100%)



- Red (94%)
- Yellow (0%)
- Blue (100%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.9852, 25.7453, 96.7317 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 53.9852, 25.7453, 96.7317 by changing the saturation by 10% instead.

 53.9852, 25.7453,
96.7317


 53.9852, 25.7453,
96.7317

392.2528,
281.5295, 570.8194

 38.8205, 16.6332,
72.9723


 95.2095, 52.8638,
158.6710


 26.8002, 9.9733,
53.4616


 121.9998, 71.6389,
197.6879


 17.5590, 5.3813,
37.7812


 153.3960, 94.4039,
242.6277

 10.7316, 2.4727,
25.5124

 189.7635,
121.5430, 293.9090

 5.9526, 0.8629,
16.2367

 231.4675,
153.4408, 351.9503

 2.8567, 0.0000,
9.5356

278.8735,

 1.0784, 0.0000,

190.4815, 417.1701

4.9906

332.3468,
233.0496, 489.9869

■ 0.0070, 0.0000,
2.1831

■ 0.0000, 0.0000,
0.6646

■ 53.9852, 25.7453,
96.7317

■ 53.9852, 25.7453,
96.7317

■ 53.9851, 25.7452,
96.7317

■ 54.8565, 26.7277,
96.8754

■ 56.1983, 28.6460,
97.1750

■ 58.1543, 31.7863,
97.6780

■ 60.8118, 36.3233,
98.4137

64.2441, 42.4035,
99.4064

68.5151, 50.1549,
100.6775

73.6821, 59.6920,
102.2460

79.7975, 71.1194,
104.1294

86.9094, 84.5336,
106.3437

Harmonies

Analogous

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



38.1108, 25.7453, 168.9703



53.9852, 25.7453, 96.7317



62.0434, 25.7453, 33.8997

Triad

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



53.9852, 25.7453, 96.7317



26.4412, 25.7453, 0.0000



7.4270, 25.7453, 76.5683

Complementary

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



53.9852, 25.7453, 96.7317



35.9578, 71.6219, 11.9303

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.



6.3071, 25.7453, 22.8842



53.9852, 25.7453, 96.7317



14.5479, 25.7453, 0.0000

Square

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



53.9852, 25.7453, 96.7317



42.7570, 25.7453, 0.2550



8.3285, 25.7453, 3.2751



12.3206, 25.7453, 151.4009

Rectangle

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



53.9852, 25.7453, 96.7317



60.2884, 25.7453, 11.8527



8.3285, 25.7453, 3.2751



6.7010, 25.7453, 54.6768

Sweetspot

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



53.9863, 25.7464, 96.7319



73.6738, 59.6766, 102.2434



18.2515, 7.6222, 95.1170



15.2789, 11.8647, 21.7348



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.



53.9863, 25.7464, 96.7319



53.9851, 25.7452, 96.7317



46.3140, 23.2903, 28.6474



18.6809, 18.2428, 22.7866



28.2539, 13.4759, 50.5465



2.7818, 1.3280, 4.9230

Inverse Universe

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



41.3269, 21.2954, 2.3855



41.3262, 21.2945, 2.3841



38.6034, 72.6574, 26.8908



18.0527, 18.0044, 18.8946



21.6107, 11.1336, 1.3342



2.1187, 1.0898, 0.2064

Previews

White Background



This preview shows how the XYZ color 53.9852, 25.7453, 96.7317 looks on a white background.

Color Contrast Check

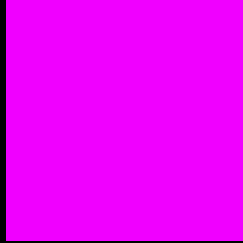
Large Text (above 18pt) WCAG AA ✓ Pass

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 53.9852, 25.7453, 96.7317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

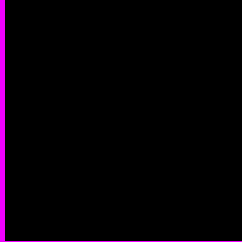
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 53.9852, 25.7453, 96.7317

Background



This preview shows how black text looks on a background with the XYZ color 53.9852, 25.7453, 96.7317.



This preview shows how white text looks on a background with the XYZ color 53.9852, 25.7453,

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

53.9852, 25.7453, 96.7317

Protanopia

29.9960, 26.4480, 98.1318

Deuteranopia

27.3674, 26.4310, 86.0974



Tritanopia

37.6424, 25.8639, 16.9182

Trichromacy



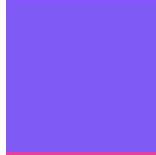
Original Color

53.9852, 25.7453, 96.7317



Protanomaly

31.7747, 19.3548, 96.6689



Deuteranomaly

29.0397, 18.4941, 88.4254



Tritanomaly

40.5795, 22.8980, 35.9992

Monochromacy



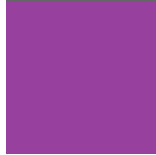
Original Color

53.9852, 25.7453, 96.7317



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

20.8681, 12.7765, 33.2645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.9852, 25.7453, 96.7317 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(240, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 255)  
}
```

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(240, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.9852, 25.7453, 96.7317 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(240, 0, 255) }
```


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

```
.border{ border-color:rgb(240, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.9852, 25.7453, 96.7317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 255) }
```

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

```
.background{ background-color: rgb(240, 0,  
255) }
```

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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