

Converting Colors

XYZ(53.1637, 25.3218, 96.6933)

Have a look what the booklet for
XYZ(53.1637, 25.3218, 96.6933)
contains.

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Color

**XYZ(53.3099, 25.3971,
96.7001)**

Conversions

Conversions Part 1

Format	Color
Hex	EE00FF
RGB	238, 0, 255
RGB Percent	93%, 0%, 100%
CMY	0.0667, 0.9999, 0.0000
CMYK	0.07, 1.00, 0.00, 0.00
HSL	296°, 100%, 50%
HSV	296°, 100%, 100%
XYZ	53.3099, 25.3971, 96.7001
YIQ	100.2320, 59.9930, 129.7610

Conversions

Conversions Part 2

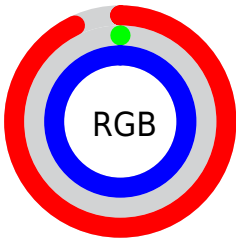
Format	Color
R_{YB}	238, 0, 255
Decimal	15597823
CIE _{Lab}	57.46, 95.70, -65.59
CIE _{LCh}	57, 116.023, 325.577
Yxy	25.3971, 0.3039, 0.1448
Android (android.graphics.Color)	4293787903 (0xFFEE00FF)
YUV	100.2320, 76.3006, 120.8225
Hunter-Lab	50.3955, 100.6304, -78.4901

Details

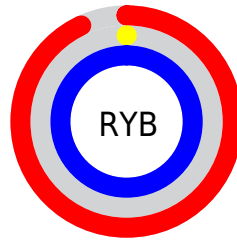
The XYZ color **53.3099, 25.3971, 96.7001** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.9919, 71.6395, 11.9318**, and the grayscale version is **11.9781, 12.6019, 13.7235**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **28.2095, 13.3783, 53.9188** is the 20% darker color. If you saturate the color by 10%, you get **53.3099, 25.3971, 96.7001**, and if you desaturate by 10%, it is **54.2432, 26.4114, 96.8467**.

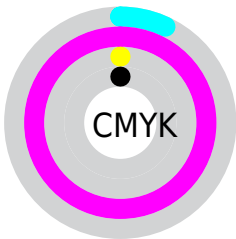
Distribution



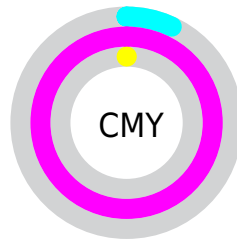
- Red (93%)
- Green (0%)
- Blue (100%)



- Red (93%)
- Yellow (0%)
- Blue (100%)



- Cyan (7%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3099, 25.3971, 96.7001 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 53.3099, 25.3971, 96.7001 by changing the saturation by 10% instead.

 53.3099, 25.3971,
96.7001


 53.3099, 25.3971,
96.7001


389.7144,
279.8098, 570.7162


 38.2787, 16.3732,
72.9461


 94.2231, 52.3007,
158.6270


 26.3773, 9.7886,
53.4403


 120.8357, 70.9492,
197.6370

 17.2402, 5.2590,
37.7643


 152.0396, 93.5746,
242.5694

 10.5023, 2.4000,
25.4994

 188.2000,
120.5613, 293.8427

 5.7980, 0.8259,
16.2271

 229.6824,
152.2938, 351.8755

 2.7622, 0.0000,
9.5289

276.8520,

 1.0293, 0.0000,

189.1565, 417.0863

4.9862

330.0742,
231.5337, 489.8937

■ 0.0000, 0.0000,
2.1806

■ 0.0000, 0.0000,
0.6631

■ 53.3099, 25.3971,
96.7001

■ 54.2432, 26.4114,
96.8467

■ 55.6483, 28.3621,
97.1492

■ 57.6686, 31.5354,
97.6552

■ 60.3917, 36.1059,
98.3939

63.8907, 42.2203,
99.3897

68.2296, 50.0064,
100.6638

73.4657, 59.5788,
102.2355

79.6514, 71.0422,
104.1222

86.8349, 84.4929,
106.3398

Harmonies

Analogous

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



37.5026, 25.3971, 168.4411



53.3099, 25.3971, 96.7001



61.4374, 25.3971, 33.9382

Triad

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



53.3099, 25.3971, 96.7001



26.2441, 25.3971, 0.0000



7.2435, 25.3971, 75.1464

Complementary

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



53.3099, 25.3971, 96.7001



35.9919, 71.6395, 11.9318

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.



6.1712, 25.3971, 22.1962



53.3099, 25.3971, 96.7001



14.4001, 25.3971, 0.0000

Square

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



53.3099, 25.3971, 96.7001



42.4613, 25.3971, 0.2352



8.2001, 25.3971, 3.0996



12.0314, 25.3971, 149.6386

Rectangle

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



53.3099, 25.3971, 96.7001



59.7831, 25.3971, 11.8547



8.2001, 25.3971, 3.0996



6.5390, 25.3971, 53.4908

Sweetspot

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



53.3109, 25.3982, 96.7003



73.4586, 59.5657, 102.2334



18.3237, 7.7669, 95.1411



15.2266, 11.8378, 21.7323



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.



53.3109, 25.3982, 96.7003



53.3099, 25.3971, 96.7001



46.6463, 23.4231, 30.3974



18.6661, 18.2351, 22.7859



27.9065, 13.2968, 50.5303



2.7517, 1.3125, 4.9216

Inverse Universe

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



41.3418, 21.3013, 2.4641



41.3412, 21.3005, 2.4628



38.3759, 72.5664, 25.6931



18.0585, 18.0067, 18.9251



21.6198, 11.1372, 1.3826



2.1214, 1.0909, 0.2208

Previews

White Background



This preview shows how the XYZ color 53.3099, 25.3971, 96.7001 looks on a white background.

Color Contrast Check

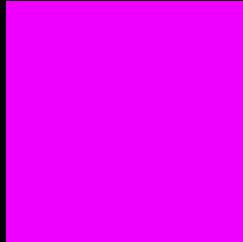
Large Text (above 18pt) WCAG AA ✓ Pass

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 53.3099, 25.3971, 96.7001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

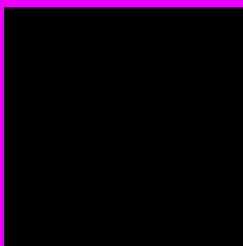
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 53.3099, 25.3971, 96.7001

Background



This preview shows how black text looks on a background with the XYZ color 53.3099, 25.3971, 96.7001.



This preview shows how white text looks on a background with the XYZ color 53.3099, 25.3971,

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

53.3099, 25.3971, 96.7001

Protanopia

29.6156, 26.0438, 98.0738

Deuteranopia

27.1165, 26.3017, 86.0856



Tritanopia

37.0298, 25.5480, 16.8895

Trichromacy



Original Color

53.3099, 25.3971, 96.7001



Protanomaly

31.2093, 18.9439, 96.6194



Deuteranomaly

28.5950, 18.2649, 88.4046



Tritanomaly

39.9450, 22.5709, 35.9695

Monochromacy



Original Color

53.3099, 25.3971, 96.7001



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

20.4118, 12.5511, 32.7993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3099, 25.3971, 96.7001 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(238, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.3099, 25.3971, 96.7001 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(238, 0, 255) }
```


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

```
.border{ border-color:rgb(238, 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(238, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3099, 25.3971, 96.7001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 255) }
```

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

```
.background{ background-color: rgb(238, 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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