

Converting Colors

XYZ(52.8550, 25.1626, 96.6788)

Have a look what the booklet for
XYZ(52.8550, 25.1626, 96.6788)
contains.

XYZ(52.9751, 25.2245, 96.6845)	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(52.9751, 25.2245,
96.6845)**

Conversions

Conversions Part 1

Format	Color
Hex	ED00FF
RGB	237, 0, 255
RGB Percent	93%, 0%, 100%
CMY	0.0706, 0.9999, 0.0000
CMYK	0.07, 1.00, 0.00, 0.00
HSL	296°, 100%, 50%
HSV	296°, 100%, 100%
XYZ	52.9751, 25.2245, 96.6845
YIQ	99.9330, 59.3970, 129.5490

Conversions

Conversions Part 2

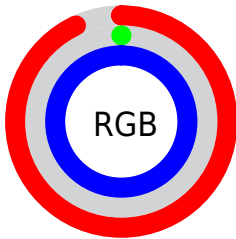
Format	Color
R_{YB}	237, 0, 255
Decimal	15532287
CIE _{Lab}	57.29, 95.56, -65.87
CIE _{LCh}	57, 116.059, 325.423
Yxy	25.2245, 0.3029, 0.1442
Android (android.graphics.Color)	4293722367 (0xFFED00FF)
YUV	99.9330, 76.4480, 120.2078
Hunter-Lab	50.2240, 100.3856, -78.9804

Details

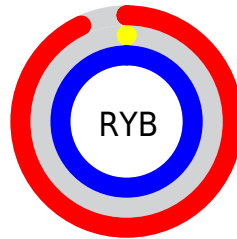
The XYZ color **52.9751, 25.2245, 96.6845** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **36.0102, 71.6489, 11.9326**, and the grayscale version is **11.9022, 12.5220, 13.6365**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **27.9825, 13.2613, 53.9082** is the 20% darker color. If you saturate the color by 10%, you get **52.9751, 25.2245, 96.6845**, and if you desaturate by 10%, it is **53.9390, 26.2545, 96.8325**.

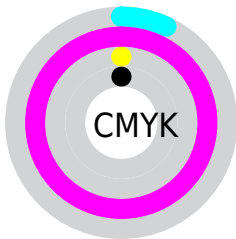
Distribution



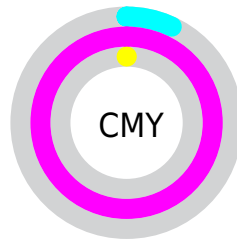
- Red (93%)
- Green (0%)
- Blue (100%)



- 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 52.9751, 25.2245, 96.6845 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 52.9751, 25.2245, 96.6845 by changing the saturation by 10% instead.

 52.9751, 25.2245,
96.6845

 52.9751, 25.2245,
96.6845

388.4520,
278.9541, 570.6653


 38.0103, 16.2444,
72.9332


 93.7335, 52.0212,
158.6053


 26.1679, 9.6973,
53.4298


 120.2577, 70.6066,
197.6119


 17.0826, 5.1987,
37.7559

 151.3659, 93.1625,
242.5406

 10.3891, 2.3643,
25.4930

 187.4232,
120.0734, 293.8100

 5.7219, 0.8074,
16.2224

 228.7952,
151.7236, 351.8386

 2.7158, 0.0000,
9.5256

275.8470,

 1.0053, 0.0000,

188.4975, 417.0450

4.9841

328.9442,
230.7796, 489.8477

■ 0.0000, 0.0000,
2.1794

■ 0.0000, 0.0000,
0.6624

■ 52.9751, 25.2245,
96.6845

■ 53.9390, 26.2545,
96.8325

■ 55.3752, 28.2212,
97.1364

■ 57.4274, 31.4109,
97.6439

■ 60.1829, 35.9982,
98.3841

63.7150, 42.1296,
99.3814

68.0877, 49.9330,
100.6572

73.3582, 59.5232,
102.2305

79.5790, 71.0046,
104.1187

86.7982, 84.4737,
106.3380

Harmonies

Analogous

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



37.2015, 25.2245, 168.1780



52.9751, 25.2245, 96.6845



61.1365, 25.2245, 33.9574

Triad

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



52.9751, 25.2245, 96.6845



26.1461, 25.2245, 0.0000



7.1531, 25.2245, 74.4436

Complementary

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



52.9751, 25.2245, 96.6845



36.0102, 71.6489, 11.9326

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.



6.1041, 25.2245, 21.8581



52.9751, 25.2245, 96.6845



14.3267, 25.2245, 0.0000

Square

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



52.9751, 25.2245, 96.6845



42.3143, 25.2245, 0.2253



8.1365, 25.2245, 3.0144



11.8887, 25.2245, 148.7648

Rectangle

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



52.9751, 25.2245, 96.6845



59.5321, 25.2245, 11.8556



8.1365, 25.2245, 3.0144



6.4592, 25.2245, 52.9056

Sweetspot

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



52.9761, 25.2256, 96.6846



73.3512, 59.5103, 102.2283



18.3237, 7.7668, 95.1411



15.2005, 11.8243, 21.7311



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.



52.9761, 25.2256, 96.6846



52.9751, 25.2245, 96.6845



46.6462, 23.4230, 30.3972



18.6586, 18.2313, 22.7855



27.7343, 13.2080, 50.5222



2.7368, 1.3048, 4.9209

Inverse Universe

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



41.3498, 21.3044, 2.5063



41.3492, 21.3037, 2.5049



38.3759, 72.5664, 25.6930



18.0614, 18.0079, 18.9404



21.6247, 11.1392, 1.4082



2.1228, 1.0915, 0.2280

Previews

White Background



This preview shows how the XYZ color 52.9751, 25.2245, 96.6845 looks on a white background.

Color Contrast Check

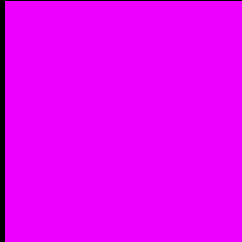
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.9751, 25.2245, 96.6845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

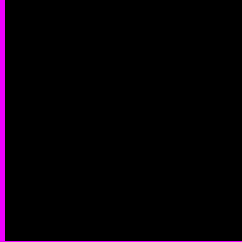
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 52.9751, 25.2245, 96.6845

Background



This preview shows how black text looks on a background with the XYZ color 52.9751, 25.2245, 96.6845.



This preview shows how white text looks on a background with the XYZ color 52.9751, 25.2245,

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

52.9751, 25.2245, 96.6845

Protanopia

29.5380, 26.0038, 98.0702

Deuteranopia

26.8512, 25.9470, 86.0311



Tritanopia

36.4244, 25.2359, 16.8612

Trichromacy



Original Color

52.9751, 25.2245, 96.6845



Protanomaly

31.0507, 18.8621, 96.6119



Deuteranomaly

28.2222, 17.9483, 88.3631



Tritanomaly

39.6304, 22.4088, 35.9548

Monochromacy



Original Color

52.9751, 25.2245, 96.6845



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 52.9751, 25.2245, 96.6845 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(237, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.9751, 25.2245, 96.6845 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(237, 0, 255) }
```


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

```
.border{ border-color:rgb(237, 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(237, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9751, 25.2245, 96.6845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 255) }
```

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

```
.background{ background-color: rgb(237, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor