

Converting Colors

XYZ(53.0883, 25.7493, 96.7798)

Have a look what the booklet for
XYZ(53.0883, 25.7493, 96.7798)
contains.

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Color

**XYZ(52.9485, 25.6657,
96.7710)**

Conversions

Conversions Part 1

Format	Color
Hex	EC17FF
RGB	236, 23, 255
RGB Percent	93%, 9%, 100%
CMY	0.0745, 0.9097, 0.0000
CMYK	0.07, 0.91, 0.00, 0.00
HSL	295°, 100%, 55%
HSV	295°, 91%, 100%
XYZ	52.9485, 25.6657, 96.7710
YIQ	113.1350, 52.4760, 117.3080

Conversions

Conversions Part 2

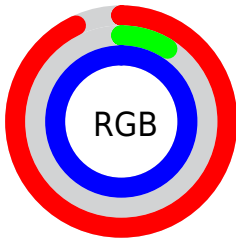
Format	Color
R _Y B	236, 23, 255
Decimal	15472639
CIE Lab	57.72, 93.66, -65.19
CIE LCh	58, 114.113, 325.161
Yxy	25.6657, 0.3019, 0.1463
Android (android.graphics.Color)	4293662719 (0xFFEC17FF)
YUV	113.1350, 69.9394, 107.7526
Hunter-Lab	50.6613, 97.9013, -77.7902

Details

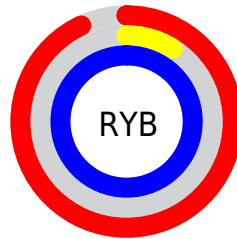
The XYZ color **52.9485, 25.6657, 96.7710** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **36.8704, 72.0746, 12.7802**, and the grayscale version is **15.5280, 16.3367, 17.7906**.

A 20% lighter version of the original color is **64.5477, 38.9954, 98.7326**, and **27.7572, 13.1452, 53.8976** is the 20% darker color. If you saturate the color by 10%, you get **52.0201, 24.7322, 96.6398**, and if you desaturate by 10%, it is **54.4186, 27.5695, 97.0610**.

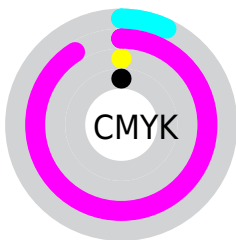
Distribution



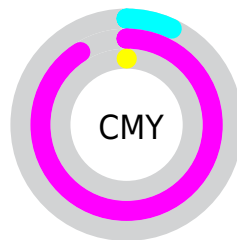
- Red (93%)
- Green (9%)
- Blue (100%)



- Red (93%)
- Yellow (9%)
- Blue (100%)



- Cyan (7%)
- Magenta (91%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (91%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9485, 25.6657, 96.7710 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 52.9485, 25.6657, 96.7710 by changing the saturation by 10% instead.


 52.9485, 25.6657,
96.7710


 52.9485, 25.6657,
96.7710


388.3516,
281.1371, 570.9478


 37.9890, 16.5737,
73.0048


 93.6946, 52.7351,
158.7256


 26.1513, 9.9310,
53.4881


 120.2118, 71.4814,
197.7512

 17.0701, 5.3533,
37.8022


 151.3123, 94.2145,
242.7002

 10.3801, 2.4560,
25.5285

 187.3615,
121.3189, 293.9914

 5.7159, 0.8545,
16.2487

 228.7246,
153.1790, 352.0432

 2.7121, 0.0000,
9.5440

275.7671,

 1.0034, 0.0000,

190.1791, 417.2742

4.9961

328.8543,
232.7037, 490.1028

■ 0.0000, 0.0000,
2.1863

■ 0.0000, 0.0000,
0.6664

■ 52.9485, 25.6657,
96.7710

■ 52.9485, 25.6657,
96.7710

■ 52.0201, 24.7322,
96.6398

■ 54.4186, 27.5695,
97.0610

■ 56.4960, 30.6768,
97.5513

■ 59.2709, 35.1670,
98.2717

■ 62.8178, 41.1890,
99.2471

67.2013, 48.8721,
100.4991

72.4795, 58.3323,
102.0469

78.7050, 69.6748,
103.9081

85.9265, 82.9970,
106.0990

94.1892, 98.3893,
108.6345

Harmonies

Analogous

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



37.3614, 25.6657, 166.4331



52.9485, 25.6657, 96.7710



61.0720, 25.6657, 34.7887

Triad

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



52.9485, 25.6657, 96.7710



26.6796, 25.6657, 0.0000



7.5007, 25.6657, 73.7165

Complementary

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



52.9485, 25.6657, 96.7710



36.8704, 72.0746, 12.7802

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.



6.4597, 25.6657, 22.0644



52.9485, 25.6657, 96.7710



14.8398, 25.6657, 0.0000

Square

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



52.9485, 25.6657, 96.7710



42.6998, 25.6657, 0.4094



8.5568, 25.6657, 3.2297



12.2498, 25.6657, 146.4290

Rectangle

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



52.9485, 25.6657, 96.7710



59.5708, 25.6657, 12.5209



8.5568, 25.6657, 3.2297



6.8042, 25.6657, 52.6143

Sweetspot

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



52.9496, 25.6668, 96.7712



74.8365, 62.6073, 102.7478



19.2443, 9.0834, 95.3467



15.5825, 12.6102, 21.8627



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.



52.9496, 25.6668, 96.7712



52.0201, 24.7322, 96.6398



47.7478, 24.3540, 34.6863



18.6373, 18.2203, 22.7845



27.2429, 12.9547, 50.4992



2.6942, 1.2828, 4.9189

Inverse Universe

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



41.9650, 22.0409, 4.2347



41.3743, 21.3137, 2.6371



39.4845, 73.0507, 29.6862



18.0697, 18.0112, 18.9844



21.6398, 11.1452, 1.4878



2.1267, 1.0931, 0.2488

Previews

White Background



This preview shows how the XYZ color 52.9485, 25.6657, 96.7710 looks on a white background.

Color Contrast Check

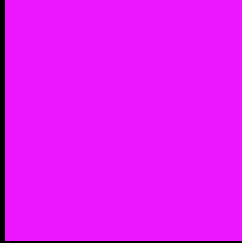
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.9485, 25.6657, 96.7710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

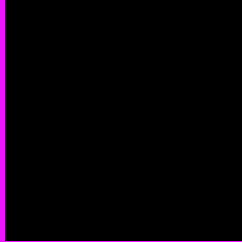
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 52.9485, 25.6657, 96.7710

Background



This preview shows how black text looks on a background with the XYZ color 52.9485, 25.6657, 96.7710.



This preview shows how white text looks on a background with the XYZ color 52.9485, 25.6657,

96.7710.

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

52.9485, 25.6657, 96.7710

Protanopia

29.6945, 26.0844, 98.0775

Deuteranopia

27.1165, 26.3017, 86.0856



Tritanopia

36.4251, 25.5123, 17.4725

Trichromacy



Original Color

52.9485, 25.6657, 96.7710



Protanomaly

31.8842, 20.2937, 96.8443



Deuteranomaly

29.1613, 19.6130, 88.6349



Tritanomaly

39.9555, 23.3813, 36.5896

Monochromacy



Original Color

52.9485, 25.6657, 96.7710



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

23.7607, 15.7230, 37.3798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9485, 25.6657, 96.7710 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(236, 23, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 23, 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(236, 23, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 23, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.9485, 25.6657, 96.7710 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(236, 23, 255) }
```


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

```
.border{ border-color:rgb(236, 23, 255) }
```

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

Here you see how a box with a 4 pixel rgb(236, 23, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 23, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 23, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 23,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9485, 25.6657, 96.7710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 23, 255) }
```

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

```
.background{ background-color: rgb(236, 23,  
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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