

Converting Colors

XYZ(53.0642, 25.8027, 96.7914)

Have a look what the booklet for
XYZ(53.0642, 25.8027, 96.7914)
contains.

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Color

**XYZ(53.0115, 25.7917,
96.7920)**

Conversions

Conversions Part 1

Format	Color
Hex	EC1AFF
RGB	236, 26, 255
RGB Percent	93%, 10%, 100%
CMY	0.0745, 0.8980, 0.0000
CMYK	0.07, 0.90, 0.00, 0.00
HSL	295°, 100%, 55%
HSV	295°, 90%, 100%
XYZ	53.0115, 25.7917, 96.7920
YIQ	114.8960, 51.6510, 115.7390

Conversions

Conversions Part 2

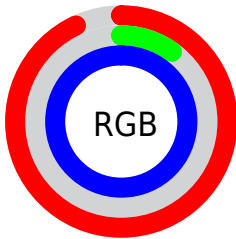
Format	Color
R _Y B	236, 26, 255
Decimal	15473407
CIE Lab	57.84, 93.30, -65.00
CIE LCh	58, 113.710, 325.138
Yxy	25.7917, 0.3019, 0.1469
Android (android.graphics.Color)	4293663487 (0xFFEC1AFF)
YUV	114.8960, 69.0713, 106.2082
Hunter-Lab	50.7855, 97.4491, -77.4508

Details

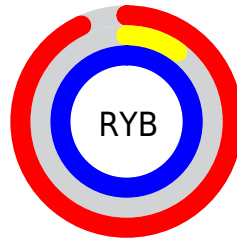
The XYZ color **53.0115, 25.7917, 96.7920** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **37.0295, 72.1529, 12.9536**, and the grayscale version is **16.0544, 16.8905, 18.3937**.

A 20% lighter version of the original color is **64.6526, 39.2051, 98.7675**, and **27.7572, 13.1452, 53.8976** is the 20% darker color. If you saturate the color by 10%, you get **51.9500, 24.7045, 96.6381**, and if you desaturate by 10%, it is **54.5560, 27.8307, 97.1042**.

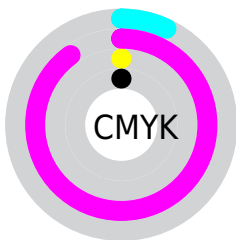
Distribution



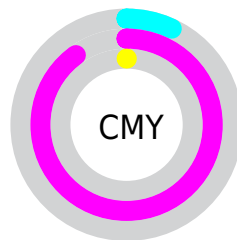
- Red (93%)
- Green (10%)
- Blue (100%)



- Red (93%)
- Yellow (10%)
- Blue (100%)



- Cyan (7%)
- Magenta (90%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (90%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0115, 25.7917, 96.7920 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 53.0115, 25.7917, 96.7920 by changing the saturation by 10% instead.


 53.0115, 25.7917,
96.7920


 53.0115, 25.7917,
96.7920

388.5894,
281.7580, 571.0163


 38.0395, 16.6679,
73.0223


 93.7867, 52.9387,
158.7548


 26.1907, 9.9980,
53.5022


 120.3206, 71.7307,
197.7850


 17.0998, 5.3976,
37.8134


 151.4392, 94.5142,
242.7390

 10.4014, 2.4824,
25.5372

 187.5078,
121.6736, 294.0355

 5.7302, 0.8678,
16.2551

 228.8917,
153.5933, 352.0929

 2.7208, 0.0000,
9.5485

275.9564,

 1.0079, 0.0000,

190.6576, 417.3298

4.9990

329.0672,
233.2511, 490.1648

■ 0.0000, 0.0000,
2.1879

■ 0.0000, 0.0000,
0.6674

■ 53.0115, 25.7917,
96.7920

■ 53.0115, 25.7917,
96.7920

■ 51.9500, 24.7045,
96.6381

■ 54.5560, 27.8307,
97.1042

■ 51.9303, 24.6859,
96.6356

■ 56.7196, 31.0964,
97.6205

■ 59.5903, 35.7639,
98.3701

■ 63.2412, 41.9794,
99.3774

67.7361, 49.8703,
100.6636

73.1323, 59.5513,
102.2478

79.4820, 71.1267,
104.1474

86.8334, 84.6926,
106.3784

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.



37.4556, 25.7917, 166.1339



53.0115, 25.7917, 96.7920



61.1204, 25.7917, 34.9553

Triad

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



53.0115, 25.7917, 96.7920



26.8092, 25.7917, 0.0000



7.5918, 25.7917, 73.7117

Complementary

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



53.0115, 25.7917, 96.7920



37.0295, 72.1529, 12.9536

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.



6.5479, 25.7917, 22.1758



53.0115, 25.7917, 96.7920



14.9609, 25.7917, 0.0000

Square

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



53.0115, 25.7917, 96.7920



42.8088, 25.7917, 0.4488



8.6575, 25.7917, 3.2929



12.3538, 25.7917, 146.1339

Rectangle

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



53.0115, 25.7917, 96.7920



59.6300, 25.7917, 12.6589



8.6575, 25.7917, 3.2929



6.8927, 25.7917, 52.6741

Sweetspot

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



53.0126, 25.7928, 96.7922



74.8101, 62.5937, 102.7466



19.4187, 9.3242, 95.3840



15.5762, 12.6069, 21.8624



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.



53.0126, 25.7928, 96.7922



51.9303, 24.6859, 96.6356



47.9192, 24.5234, 35.2782



18.6352, 18.2192, 22.7844



27.1967, 12.9309, 50.4971



2.6902, 1.2807, 4.9187

Inverse Universe

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



42.0838, 22.1892, 4.5491



41.3768, 21.3147, 2.6505



39.6639, 73.1308, 30.2520



18.0705, 18.0115, 18.9886



21.6413, 11.1458, 1.4958



2.1271, 1.0932, 0.2508

Previews

White Background



This preview shows how the XYZ color 53.0115, 25.7917, 96.7920 looks on a white background.

Color Contrast Check

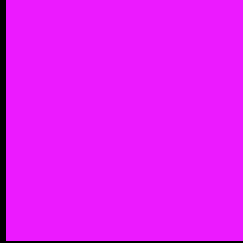
Large Text (above 18pt) WCAG AA ✓ Pass

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 53.0115, 25.7917, 96.7920 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 53.0115, 25.7917, 96.7920

Background



This preview shows how black text looks on a background with the XYZ color 53.0115, 25.7917, 96.7920.



This preview shows how white text looks on a background with the XYZ color 53.0115, 25.7917,

96.7920.

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

53.0115, 25.7917, 96.7920

Protanopia

29.8347, 26.3648, 98.1242

Deuteranopia

27.1775, 26.3331, 86.0885



Tritanopia

36.7251, 25.6669, 17.4866

Trichromacy



Original Color

53.0115, 25.7917, 96.7920



Protanomaly

32.0644, 20.6541, 96.9044



Deuteranomaly

29.4007, 19.8762, 88.6731



Tritanomaly

40.0217, 23.5137, 36.6116

Monochromacy



Original Color

53.0115, 25.7917, 96.7920



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

24.2743, 16.3106, 37.9453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0115, 25.7917, 96.7920 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, 26, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 26, 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, 26, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 26, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.0115, 25.7917, 96.7920 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, 26, 255) }
```


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

```
.border{ border-color:rgb(236, 26, 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, 26, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 26, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 26, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 26,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0115, 25.7917, 96.7920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 26, 255) }
```

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

```
.background{ background-color: rgb(236, 26,  
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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