

Converting Colors

XYZ(53.3231, 25.7631, 80.5082)

Have a look what the booklet for
XYZ(53.3231, 25.7631, 80.5082)
contains.

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Color

**XYZ(53.3532, 25.7723,
80.7598)**

Conversions

Conversions Part 1

Format	Color
Hex	F700EB
RGB	247, 0, 235
RGB Percent	97%, 0%, 92%
CMY	0.0314, 0.9998, 0.0784
CMYK	0.00, 1.00, 0.05, 0.03
HSL	303°, 100%, 48%
HSV	303°, 100%, 97%
XYZ	53.3532, 25.7723, 80.7598
YIQ	100.6430, 71.7770, 125.4490

Conversions

Conversions Part 2

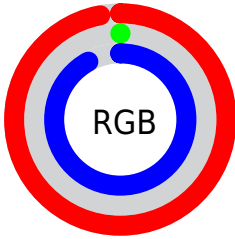
Format	Color
RYB	247, 0, 235
Decimal	16187627
CIELab	57.82, 94.26, -53.76
CIELCh	58, 108.519, 330.302
Yxy	25.7723, 0.3337, 0.1612
Android (android.graphics.Color)	4294377707 (0xFFFF700EB)
YUV	100.6430, 66.2380, 128.3551
Hunter-Lab	50.7664, 98.7541, -58.7827

Details

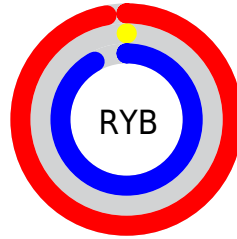
The XYZ color **53.3532, 25.7723, 80.7598** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **33.3284, 66.5494, 11.4380**, and the grayscale version is **12.1068, 12.7373, 13.8709**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **28.2856, 13.6535, 43.2640** is the 20% darker color. If you saturate the color by 10%, you get **53.3535, 25.7725, 80.7586**, and if you desaturate by 10%, it is **53.8700, 26.5266, 81.7908**.

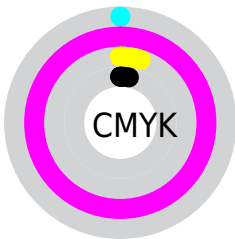
Distribution



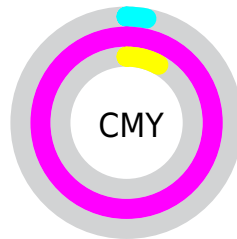
- Red (97%)
- Green (0%)
- Blue (92%)



- Red (97%)
- Yellow (0%)
- Blue (92%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3532, 25.7723, 80.7598 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 53.3532, 25.7723, 80.7598 by changing the saturation by 10% instead.

 53.3532, 25.7723,
80.7598


 53.3532, 25.7723,
80.7598

389.8775,
281.6625, 517.2639


 38.3134, 16.6534,
59.8140


 94.2864, 52.9074,
136.2545

 26.4043, 9.9877,
42.8444


 120.9105, 71.6923,
171.6404


 17.2606, 5.3908,
29.4325


 152.1267, 94.4681,
212.6767

 10.5170, 2.4783,
19.1599

 188.3004,
121.6190, 259.7820

 5.8079, 0.8658,
11.6079

 229.7970,
153.5295, 313.3749

 2.7682, 0.0000,
6.3580

276.9818,

 1.0324, 0.0000,

190.5840, 373.8738

2.9917

330.2202,
233.1669, 441.6972

■ 0.0000, 0.0000,
1.0904

■ 0.0000, 0.0000,
0.0000

■ 53.3532, 25.7723,
80.7598

■ 53.3532, 25.7723,
80.7598

■ 53.3535, 25.7725,
80.7586

■ 53.8700, 26.5266,
81.7908

■ 54.8200, 28.1462,
82.9718

■ 56.3378, 30.8996,
84.3478

■ 58.5040, 34.9479,
85.9458

61.3863, 40.4266,
87.7883

65.0439, 47.4537,
89.8951

69.5296, 56.1354,
92.2838

74.8919, 66.5683,
94.9705

81.1754, 78.8417,
97.9701

Harmonies

Analogous

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



39.4423, 25.7723, 146.8480



53.3532, 25.7723, 80.7598



59.0776, 25.7723, 27.6853

Triad

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



53.3532, 25.7723, 80.7598



24.3640, 25.7723, 0.0000



8.6033, 25.7723, 82.0919

Complementary

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



53.3532, 25.7723, 80.7598



33.3284, 66.5494, 11.4380

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.



7.0090, 25.7723, 28.4414



53.3532, 25.7723, 80.7598



13.9014, 25.7723, 0.4193

Square

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



53.3532, 25.7723, 80.7598



39.1290, 25.7723, 0.3793



8.5377, 25.7723, 5.4070



14.0587, 25.7723, 147.9905

Rectangle

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



53.3532, 25.7723, 80.7598



56.3221, 25.7723, 9.7981



8.5377, 25.7723, 5.4070



7.7069, 25.7723, 61.0603

Sweetspot

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



53.3542, 25.7735, 80.7603



74.7172, 60.2830, 99.1982



16.8928, 6.7698, 88.4133



15.5332, 12.0125, 20.9924



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.



53.3542, 25.7735, 80.7603



57.3585, 27.7074, 86.8090



41.4700, 21.0199, 18.1789



17.1768, 16.7536, 20.6776



28.2323, 13.6364, 42.7934



2.4919, 1.2027, 3.8166

Inverse Universe

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



53.3542, 25.7735, 80.7603



57.3585, 27.7074, 86.8090



37.4098, 68.1819, 32.9304



17.1768, 16.7536, 20.6776



28.2323, 13.6364, 42.7934



2.4919, 1.2027, 3.8166

Previews

White Background



This preview shows how the XYZ color 53.3532, 25.7723, 80.7598 looks on a white background.

Color Contrast Check

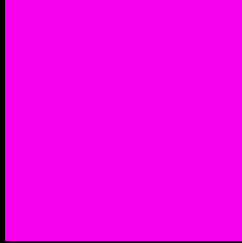
Large Text (above 18pt) WCAG AA ✓ Pass

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 53.3532, 25.7723, 80.7598 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 53.3532, 25.7723, 80.7598

Background



This preview shows how black text looks on a background with the XYZ color 53.3532, 25.7723, 80.7598.



This preview shows how white text looks on a background with the XYZ color 53.3532, 25.7723,

80.7598.

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

53.3532, 25.7723, 80.7598

Protanopia

30.0786, 26.4906, 98.1356

Deuteranopia

27.2531, 26.4634, 72.0782



Tritanopia

39.6360, 25.8598, 14.4577

Trichromacy



Original Color

53.3532, 25.7723, 80.7598



Protanomaly

31.1667, 19.1691, 90.8643



Deuteranomaly

30.0623, 19.2151, 74.0759



Tritanomaly

42.1692, 23.4432, 30.3194

Monochromacy



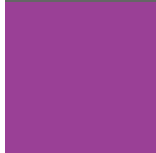
Original Color

53.3532, 25.7723, 80.7598



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

20.6648, 12.7388, 30.2238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3532, 25.7723, 80.7598 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(247, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 235)  
}
```

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(247, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 53.3532, 25.7723, 80.7598 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(247, 0, 235) }
```


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

```
.border{ border-color:rgb(247, 0, 235) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3532, 25.7723, 80.7598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 235) }
```

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

```
.background{ background-color: rgb(247, 0,  
235) }
```

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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