

Converting Colors

XYZ(52.2942, 25.1241, 94.1887)

Have a look what the booklet for
XYZ(52.2942, 25.1241, 94.1887)
contains.

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Color

**XYZ(52.2942, 25.1241,
94.1887)**

Conversions

Conversions Part 1

Format	Color
Hex	EC0CFC
RGB	236, 12, 252
RGB Percent	93%, 5%, 99%
CMY	0.0745, 0.9528, 0.0118
CMYK	0.06, 0.95, 0.00, 0.01
HSL	296°, 98%, 52%
HSV	296°, 95%, 99%
XYZ	52.2942, 25.1241, 94.1887
YIQ	106.3360, 56.4640, 122.1280

Conversions

Conversions Part 2

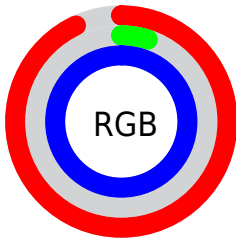
Format	Color
R _Y B	236, 12, 252
Decimal	15469820
CIE Lab	57.20, 94.21, -64.36
CIE LCh	57, 114.096, 325.658
Yxy	25.1241, 0.3047, 0.1464
Android (android.graphics.Color)	4293659900 (0xFFEC0CFC)
YUV	106.3360, 71.8124, 113.7153
Hunter-Lab	50.1239, 98.5117, -76.3260

Details

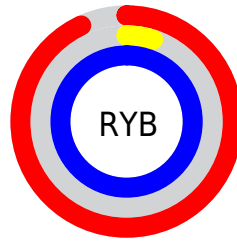
The XYZ color **52.2942, 25.1241, 94.1887** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.3569, 69.8950, 11.9765**, and the grayscale version is **13.5955, 14.3036, 15.5766**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **27.4168, 13.0090, 52.1049** is the 20% darker color. If you saturate the color by 10%, you get **51.8976, 24.7245, 94.1328**, and if you desaturate by 10%, it is **53.3928, 26.4881, 94.3944**.

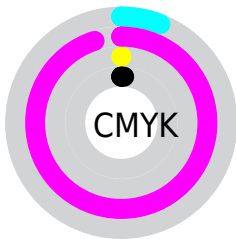
Distribution



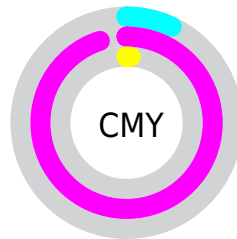
- Red (93%)
- Green (5%)
- Blue (99%)



- Red (93%)
- Yellow (5%)
- Blue (99%)



- Cyan (6%)
- Magenta (95%)
- Yellow (0%)
- Black (1%)





- Cyan (7%)
- Magenta (95%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2942, 25.1241, 94.1887 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 52.2942, 25.1241, 94.1887 by changing the saturation by 10% instead.


 52.2942, 25.1241,
94.1887

 52.2942, 25.1241,
94.1887


385.8767,
278.4554, 562.4823


 37.4648, 16.1695,
70.8668


 92.7366, 51.8585,
155.1292


 25.7429, 9.6442,
51.7523


 119.0804, 70.4071,
193.5849

 16.7631, 5.1637,
36.4268


 149.9931, 92.9225,
237.9221

 10.1600, 2.3436,
24.4717

 185.8400,
119.7891, 288.5596

 5.5682, 0.7967,
15.4685

 226.9864,
151.3913, 345.9158

 2.6225, 0.0000,
8.9986

273.7977,

 0.9574, 0.0000,

188.1135, 410.4093

4.6434

326.6394,
230.3401, 482.4586

■ 0.0000, 0.0000,
1.9846

■ 0.0000, 0.0000,
0.5458

■ 52.2942, 25.1241,
94.1887

■ 52.2942, 25.1241,
94.1887

■ 51.8976, 24.7245,
94.1328

■ 53.3928, 26.4881,
94.3944

■ 55.0360, 28.9346,
94.7801

■ 57.3204, 32.6558,
95.3779

■ 60.3236, 37.8066,
96.2138

64.1120, 44.5199,
97.3100

68.7443, 52.9133,
98.6859

74.2739, 63.0932,
100.3594

80.7495, 75.1572,
102.3467

88.2163, 89.1958,
104.6628

Harmonies

Analogous

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



36.9460, 25.1241, 163.5446



52.2942, 25.1241, 94.1887



60.1476, 25.1241, 33.3660

Triad

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



52.2942, 25.1241, 94.1887



25.8951, 25.1241, 0.0000



7.3123, 25.1241, 73.7015

Complementary

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



52.2942, 25.1241, 94.1887



35.3569, 69.8950, 11.9765

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.



6.2424, 25.1241, 22.1146



52.2942, 25.1241, 94.1887



14.3267, 25.1241, 0.0000

Square

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



52.2942, 25.1241, 94.1887



41.6790, 25.1241, 0.3080



8.2400, 25.1241, 3.2180



12.0436, 25.1241, 145.7315

Rectangle

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



52.2942, 25.1241, 94.1887



58.5202, 25.1241, 11.8193



8.2400, 25.1241, 3.2180



6.6122, 25.1241, 52.6656

Sweetspot

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



52.2953, 25.1252, 94.1892



74.0334, 60.6250, 102.4075



18.2402, 8.1414, 92.7059



15.3354, 12.0371, 21.7651



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.



52.2953, 25.1252, 94.1892



53.3096, 25.3970, 96.7001



45.9456, 23.2267, 31.7734



17.8721, 17.4622, 21.8139



27.0843, 12.9051, 49.0370



2.5419, 1.2125, 4.5432

Inverse Universe

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



40.4869, 21.0433, 3.0284



41.3412, 21.3005, 2.4628



37.8883, 70.8698, 27.0172



17.2915, 17.2440, 18.1250



20.9819, 10.8085, 1.3471



1.9592, 1.0074, 0.2084

Previews

White Background



This preview shows how the XYZ color 52.2942, 25.1241, 94.1887 looks on a white background.

Color Contrast Check

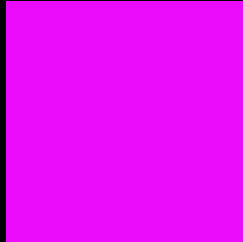
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.2942, 25.1241, 94.1887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

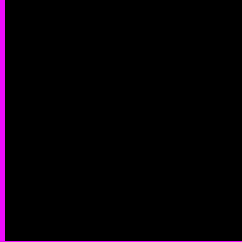
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 52.2942, 25.1241, 94.1887

Background



This preview shows how black text looks on a background with the XYZ color 52.2942, 25.1241, 94.1887.



This preview shows how white text looks on a background with the XYZ color 52.2942, 25.1241,

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

52.2942, 25.1241, 94.1887

Protanopia

29.3228, 25.6867, 98.0203

Deuteranopia

26.5053, 25.6038, 83.6658



Tritanopia

36.2768, 25.0244, 16.5539

Trichromacy



Original Color

52.2942, 25.1241, 94.1887



Protanomaly

31.0613, 19.3736, 95.8683



Deuteranomaly

28.3988, 18.5995, 86.0977



Tritanomaly

39.3165, 22.5251, 35.0765

Monochromacy



Original Color

52.2942, 25.1241, 94.1887



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

21.7122, 13.9102, 34.3415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2942, 25.1241, 94.1887 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, 12, 252)` looks like.

```
.text, #text, p{  
    color:rgb(236, 12, 252)  
}
```

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, 12, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 12, 252) }
```

Border

The CSS property to change the border of an element to XYZ 52.2942, 25.1241, 94.1887 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, 12, 252) }
```


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

```
.border{ border-color:rgb(236, 12, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 12, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 12, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 12, 252);  
box-shadow:4px 4px 4px 4px rgb(236, 12,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2942, 25.1241, 94.1887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 12, 252) }
```

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

```
.background{ background-color: rgb(236, 12,  
252) }
```

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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