

Converting Colors

XYZ(50.5257, 24.0172, 94.0682)

Have a look what the booklet for
XYZ(50.5257, 24.0172, 94.0682)
contains.

XYZ(50.5257, 24.0172, 94.0682)	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(50.5257, 24.0172,
94.0682)**

Conversions

Conversions Part 1

Format	Color
Hex	E700FC
RGB	231, 0, 252
RGB Percent	91%, 0%, 99%
CMY	0.0941, 0.9999, 0.0118
CMYK	0.08, 1.00, 0.00, 0.01
HSL	295°, 100%, 49%
HSV	295°, 100%, 99%
XYZ	50.5257, 24.0172, 94.0682
YIQ	97.7970, 56.7840, 127.3440

Conversions

Conversions Part 2

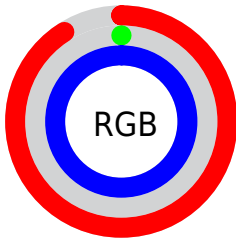
Format	Color
R_{YB}	231, 0, 252
Decimal	15139068
CIE _{Lab}	56.11, 94.24, -66.16
CIE _{LCh}	56, 115.147, 324.928
Yxy	24.0172, 0.2997, 0.1424
Android (android.graphics.Color)	4293329148 (0xFFE700FC)
YUV	97.7970, 76.0221, 116.8190
Hunter-Lab	49.0073, 98.2675, -79.5003

Details

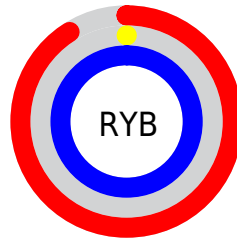
The XYZ color **50.5257, 24.0172, 94.0682** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.1206, 69.7809, 11.6189**, and the grayscale version is **11.3717, 11.9639, 13.0287**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **26.3152, 12.4411, 52.0533** is the 20% darker color. If you saturate the color by 10%, you get **50.5256, 24.0171, 94.0686**, and if you desaturate by 10%, it is **51.5610, 25.0743, 94.2180**.

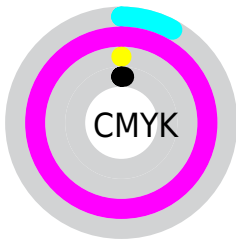
Distribution



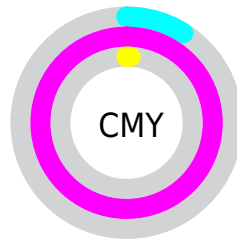
- Red (91%)
- Green (0%)
- Blue (99%)



- Red (91%)
- Yellow (0%)
- Blue (99%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (9%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5257, 24.0172, 94.0682 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 50.5257, 24.0172, 94.0682 by changing the saturation by 10% instead.

 50.5257, 24.0172,
94.0682


 50.5257, 24.0172,
94.0682


379.1363,
272.9074, 562.0856


 36.0508, 15.3464,
70.7671

 90.1405, 50.0583,
154.9611


 24.6437, 9.0628,
51.6715


 116.0110, 68.1973,
193.3900


 15.9391, 4.7822,
36.3628


 146.4108, 90.2612,
237.6986

 9.5717, 2.1200,
24.4226

 181.7053,
116.6344, 288.3054

 5.1760, 0.6759,
15.4323

 222.2597,
147.7012, 345.6290

 2.3867, 0.0000,
8.9734

268.4394,

 0.8385, 0.0000,

183.8460, 410.0878

4.6273

320.6098,
225.4533, 482.1005

■ 0.0000, 0.0000,
1.9754

■ 0.0000, 0.0000,
0.5401

■ 50.5257, 24.0172,
94.0682

■ 50.5257, 24.0172,
94.0682

■ 50.5256, 24.0171,
94.0686

■ 51.5610, 25.0743,
94.2180

■ 53.0577, 27.0432,
94.5192

■ 55.1560, 30.2031,
95.0185

■ 57.9407, 34.7238,
95.7443

■ 61.4830, 40.7473,
96.7203

■ 65.8451, 48.3981,
97.9671

■ 71.0826, 57.7875,
99.5034

■ 77.2464, 69.0170,
101.3461

■ 84.3833, 82.1803,
103.5107

Harmonies

Analogous

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



35.2781, 24.0172, 162.8885



50.5257, 24.0172, 94.0682



58.5743, 24.0172, 33.1155

Triad

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



50.5257, 24.0172, 94.0682



25.1451, 24.0172, 0.0000



6.6837, 24.0172, 70.2881

Complementary

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



50.5257, 24.0172, 94.0682



35.1206, 69.7809, 11.6189

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.



5.7342, 24.0172, 20.2380



50.5257, 24.0172, 94.0682



13.7168, 24.0172, 0.0000

Square

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



50.5257, 24.0172, 94.0682



40.7307, 24.0172, 0.1743



7.7224, 24.0172, 2.6768



11.1320, 24.0172, 142.0931

Rectangle

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



50.5257, 24.0172, 94.0682



57.1671, 24.0172, 11.5433



7.7224, 24.0172, 2.6768



6.0408, 24.0172, 49.6901

Sweetspot

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



50.5268, 24.0183, 94.0687



73.0034, 59.3310, 102.2121



17.9237, 7.7335, 92.6438



15.1159, 11.7807, 21.7272



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.



50.5268, 24.0183, 94.0687



51.8994, 24.6700, 96.6341



45.7486, 22.9375, 31.3849



17.8420, 17.4467, 21.8125



26.3807, 12.5424, 49.0041



2.4842, 1.1827, 4.5405

Inverse Universe

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



40.2810, 20.7504, 2.5931



41.3777, 21.3151, 2.6551



37.1510, 70.5573, 23.9263



17.3033, 17.2487, 18.1870



21.0034, 10.8171, 1.4604



1.9647, 1.0096, 0.2378

Previews

White Background



This preview shows how the XYZ color 50.5257, 24.0172, 94.0682 looks on a white background.

Color Contrast Check

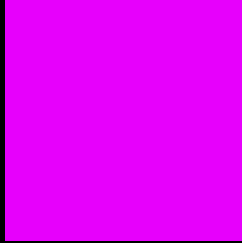
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.5257, 24.0172, 94.0682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

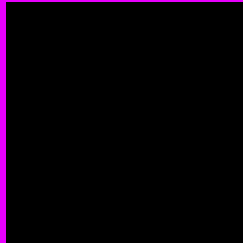
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.5257, 24.0172, 94.0682

Background



This preview shows how black text looks on a background with the XYZ color 50.5257, 24.0172, 94.0682.



This preview shows how white text looks on a background with the XYZ color 50.5257, 24.0172,

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

50.5257, 24.0172, 94.0682

Protanopia

28.5480, 24.8808, 97.9056

Deuteranopia

25.5970, 24.7096, 83.5411



Tritanopia

34.5039, 24.1104, 16.4709

Trichromacy



Original Color

50.5257, 24.0172, 94.0682



Protanomaly

29.6639, 17.9320, 95.6637



Deuteranomaly

26.6377, 16.9402, 85.8702



Tritanomaly

37.5507, 21.2739, 34.9280

Monochromacy



Original Color

50.5257, 24.0172, 94.0682



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.4094, 11.8893, 31.8437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5257, 24.0172, 94.0682 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(231, 0, 252)` looks like.

```
.text, #text, p{  
    color:rgb(231, 0, 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(231, 0, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 0, 252) }
```

Border

The CSS property to change the border of an element to XYZ 50.5257, 24.0172, 94.0682 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(231, 0, 252) }
```


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

```
.border{ border-color:rgb(231, 0, 252) }
```

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

Here you see how a box with a 4 pixel rgb(231, 0, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 0, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 0, 252);  
box-shadow:4px 4px 4px 4px rgb(231, 0,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5257, 24.0172, 94.0682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 0, 252) }
```

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

```
.background{ background-color: rgb(231, 0,  
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](#).

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