

Converting Colors

XYZ(48.0540, 22.6876, 96.4542)

Have a look what the booklet for
XYZ(48.0540, 22.6876, 96.4542)
contains.

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Color

**XYZ(48.1742, 22.7496,
96.4598)**

Conversions

Conversions Part 1

Format	Color
Hex	DE00FF
RGB	222, 0, 255
RGB Percent	87%, 0%, 100%
CMY	0.1294, 0.9999, 0.0000
CMYK	0.13, 1.00, 0.00, 0.00
HSL	292°, 100%, 50%
HSV	292°, 100%, 100%
XYZ	48.1742, 22.7496, 96.4598
YIQ	95.4480, 50.4570, 126.3690

Conversions

Conversions Part 2

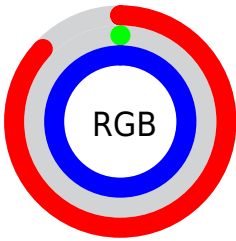
Format	Color
R_{YB}	222, 0, 255
Decimal	14549247
CIE _{Lab}	54.81, 93.42, -69.99
CIE _{LCh}	55, 116.734, 323.160
Yxy	22.7496, 0.2878, 0.1359
Android (android.graphics.Color)	4292739327 (0xFFDE00FF)
YUV	95.4480, 78.6591, 110.9861
Hunter-Lab	47.6965, 96.8187, -86.5184

Details

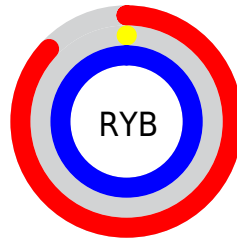
The XYZ color **48.1742, 22.7496, 96.4598** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **36.3881, 71.8438, 11.9501**, and the grayscale version is **10.7973, 11.3596, 12.3706**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **24.7760, 11.6083, 53.7581** is the 20% darker color. If you saturate the color by 10%, you get **48.1739, 22.7494, 96.4598**, and if you desaturate by 10%, it is **49.5547, 23.9942, 96.6273**.

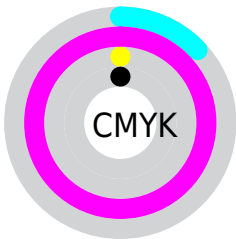
Distribution



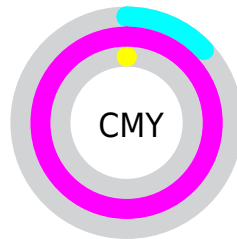
- Red (87%)
- Green (0%)
- Blue (100%)



- Red (87%)
- Yellow (0%)
- Blue (100%)



- Cyan (13%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1742, 22.7496, 96.4598 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 48.1742, 22.7496, 96.4598 by changing the saturation by 10% instead.


 48.1742, 22.7496,
96.4598


 48.1742, 22.7496,
96.4598

370.0533,
266.4363, 569.9312

 34.1767, 14.4087,
72.7470


 86.6718, 47.9818,
158.2927


 23.1929, 8.4055,
53.2785


 111.9027, 65.6420,
197.2499


 14.8575, 4.3555,
37.6359


 141.6087, 87.1774,
242.1256

 8.8051, 1.8743,
25.4006

 176.1552,
112.9724, 293.3384

 4.6704, 0.5329,
16.1540

 215.9075,
143.4113, 351.3068

 2.0879, 0.0000,
9.4777

261.2311,

 0.6826, 0.0000,

178.8787, 416.4494

4.9530

312.4912,
219.7589, 489.1847

■ 0.0000, 0.0000,
2.1615

■ 0.0000, 0.0000,
0.6520

■ 48.1742, 22.7496,
96.4598

■ 48.1742, 22.7496,
96.4598

■ 48.1739, 22.7494,
96.4598

■ 49.5547, 23.9942,
96.6273

■ 51.4214, 26.1827,
96.9513

■ 53.9180, 29.6012,
97.4796

■ 57.1319, 34.4246,
98.2412

■ 61.1365, 40.7994,
99.2606

■ 65.9959, 48.8535,
100.5590

■ 71.7675, 58.7017,
102.1557

■ 78.5036, 70.4485,
104.0681

■ 86.2527, 84.1904,
106.3121

Harmonies

Analogous

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



32.9210, 22.7496, 164.3449



48.1742, 22.7496, 96.4598



56.7919, 22.7496, 34.2331

Triad

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



48.1742, 22.7496, 96.4598



24.7143, 22.7496, 0.0000



5.8938, 22.7496, 64.5384

Complementary

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



48.1742, 22.7496, 96.4598



36.3881, 71.8438, 11.9501

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.



5.1603, 22.7496, 17.2351



48.1742, 22.7496, 96.4598



13.2598, 22.7496, 0.0000

Square

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



48.1742, 22.7496, 96.4598



40.1694, 22.7496, 0.0757



7.2253, 22.7496, 1.9248



9.8981, 22.7496, 136.2394

Rectangle

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



48.1742, 22.7496, 96.4598



55.8927, 22.7496, 11.8605



7.2253, 22.7496, 1.9248



5.3451, 22.7496, 44.7222

Sweetspot

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



48.1752, 22.7505, 96.4599



71.7610, 58.6905, 102.1539



18.6230, 8.3655, 95.2409



14.8145, 11.6253, 21.7131



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.



48.1752, 22.7505, 96.4599



48.1739, 22.7494, 96.4598



47.7184, 23.8518, 36.0432



18.5478, 18.1741, 22.7803



25.2623, 11.9336, 50.4065



2.5214, 1.1937, 4.9108

Inverse Universe

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



41.5151, 21.3705, 3.3774



41.5145, 21.3698, 3.3757



37.7591, 72.3197, 22.4453



18.1050, 18.0253, 19.1703



21.7216, 11.1779, 1.9184



2.1433, 1.0997, 0.3362

Previews

White Background



This preview shows how the XYZ color 48.1742, 22.7496, 96.4598 looks on a white background.

Color Contrast Check

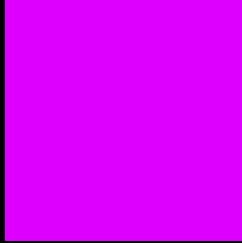
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.1742, 22.7496, 96.4598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

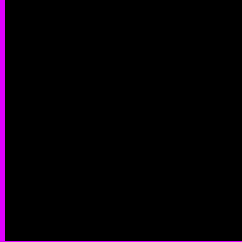
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.1742, 22.7496, 96.4598

Background



This preview shows how black text looks on a background with the XYZ color 48.1742, 22.7496, 96.4598.



This preview shows how white text looks on a background with the XYZ color 48.1742, 22.7496,

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

48.1742, 22.7496, 96.4598

Protanopia

27.3447, 23.4706, 97.6968

Deuteranopia

24.2440, 23.5599, 84.9311



Tritanopia

31.8396, 22.8724, 16.6466

Trichromacy



Original Color

48.1742, 22.7496, 96.4598



Protanomaly

28.1949, 16.8179, 96.3679



Deuteranomaly

23.2026, 14.9975, 88.0581



Tritanomaly

34.8448, 19.9416, 35.7308

Monochromacy



Original Color

48.1742, 22.7496, 96.4598



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.3501, 11.1943, 31.3306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1742, 22.7496, 96.4598 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(222, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 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(222, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.1742, 22.7496, 96.4598 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(222, 0, 255) }
```


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

```
.border{ border-color:rgb(222, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1742, 22.7496, 96.4598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 255) }
```

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

```
.background{ background-color: rgb(222, 0,  
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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