

Converting Colors

XYZ(49.0288, 23.3545, 96.5315)

Have a look what the booklet for
XYZ(49.0288, 23.3545, 96.5315)
contains.

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Color

**XYZ(48.8990, 23.2844,
96.5248)**

Conversions

Conversions Part 1

Format	Color
Hex	E00AFF
RGB	224, 10, 255
RGB Percent	88%, 4%, 100%
CMY	0.1216, 0.9607, 0.0000
CMYK	0.12, 0.96, 0.00, 0.00
HSL	292°, 100%, 52%
HSV	292°, 96%, 100%
XYZ	48.8990, 23.2844, 96.5248
YIQ	101.9160, 48.8990, 121.5630

Conversions

Conversions Part 2

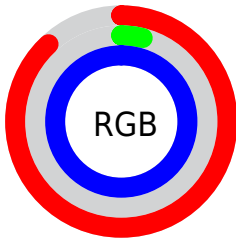
Format	Color
R _Y B	224, 10, 255
Decimal	14682879
CIE Lab	55.36, 93.04, -69.09
CIE LCh	55, 115.884, 323.404
Yxy	23.2844, 0.2898, 0.1380
Android (android.graphics.Color)	4292872959 (0xFFE00AFF)
YUV	101.9160, 75.4704, 107.0677
Hunter-Lab	48.2539, 96.4420, -84.8231

Details

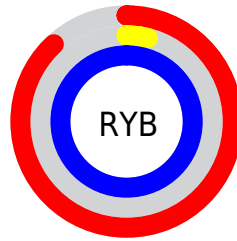
The XYZ color **48.8990, 23.2844, 96.5248** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **36.7305, 72.0140, 12.2522**, and the grayscale version is **12.4129, 13.0593, 14.2216**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **25.1823, 11.8177, 53.7771** is the 20% darker color. If you saturate the color by 10%, you get **48.3992, 22.8656, 96.4703**, and if you desaturate by 10%, it is **50.4175, 24.8216, 96.7415**.

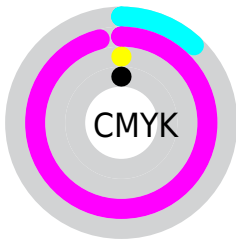
Distribution



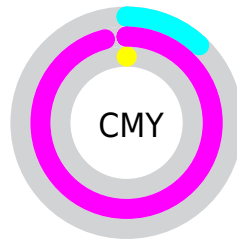
- Red (88%)
- Green (4%)
- Blue (100%)



- Red (88%)
- Yellow (4%)
- Blue (100%)



- Cyan (12%)
- Magenta (96%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (96%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8990, 23.2844, 96.5248 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 48.8990, 23.2844, 96.5248 by changing the saturation by 10% instead.

 48.8990, 23.2844,
96.5248


 48.8990, 23.2844,
96.5248


372.8681,
269.1824, 570.1436

 34.7536, 14.8036,
72.8008


 87.7431, 48.8599,
158.3832

 23.6387, 8.6817,
53.3223


 113.1724, 66.7234,
197.3546


 15.1891, 4.5342,
37.6706


 143.0937, 88.4833,
242.2457

 9.0394, 1.9766,
25.4273

 177.8725,
114.5240, 293.4748

 4.8242, 0.5938,
16.1738

 217.8739,
145.2299, 351.4607

 2.1782, 0.0000,
9.4915

263.4634,

 0.7312, 0.0000,

180.9853, 416.6217

4.9620

315.0064,
222.1747, 489.3765

■ 0.0000, 0.0000,
2.1666

■ 0.0000, 0.0000,
0.6550

■ 48.8990, 23.2844,
96.5248

■ 48.8990, 23.2844,
96.5248

■ 48.3992, 22.8656,
96.4703

■ 50.4175, 24.8216,
96.7415

■ 52.4998, 27.4591,
97.1408

■ 55.2477, 31.3991,
97.7565

■ 58.7421, 36.8037,
98.6155

■ 63.0523, 43.8112,
99.7409

■ 68.2397, 52.5440,
101.1531

■ 74.3595, 63.1125,
102.8705

■ 81.4623, 75.6179,
104.9099

■ 89.5951, 90.1540,
107.2870

Harmonies

Analogous

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



33.6274, 23.2844, 164.2859



48.8990, 23.2844, 96.5248



57.4367, 23.2844, 34.5031

Triad

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



48.8990, 23.2844, 96.5248



25.1303, 23.2844, 0.0000



6.1982, 23.2844, 65.7793

Complementary

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



48.8990, 23.2844, 96.5248



36.7305, 72.0140, 12.2522

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.



5.4229, 23.2844, 17.9827



48.8990, 23.2844, 96.5248



13.6084, 23.2844, 0.0000

Square

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



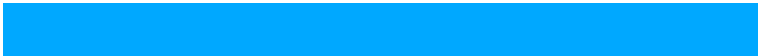
48.8990, 23.2844, 96.5248



40.6425, 23.2844, 0.1689



7.5111, 23.2844, 2.1379



10.3179, 23.2844, 137.3144

Rectangle

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



48.8990, 23.2844, 96.5248



56.4680, 23.2844, 12.1084



7.5111, 23.2844, 2.1379



5.6274, 23.2844, 45.8485

Sweetspot

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



48.9000, 23.2854, 96.5249



72.4648, 59.8163, 102.3341



19.0283, 8.9902, 95.3401



14.9524, 11.8397, 21.7472



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.



48.9000, 23.2854, 96.5249



48.3992, 22.8656, 96.4703



48.1566, 24.2008, 37.8151



18.5532, 18.1769, 22.7806



25.3784, 11.9935, 50.4120



2.5316, 1.1990, 4.9113

Inverse Universe

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



41.7496, 21.6380, 4.0764



41.5044, 21.3657, 3.3221



38.1786, 72.5020, 24.0011



18.1029, 18.0245, 19.1590



21.7157, 11.1756, 1.8877



2.1423, 1.0993, 0.3309

Previews

White Background



This preview shows how the XYZ color 48.8990, 23.2844, 96.5248 looks on a white background.

Color Contrast Check

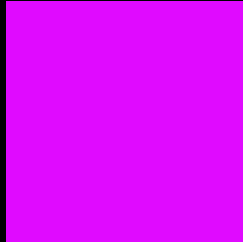
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.8990, 23.2844, 96.5248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

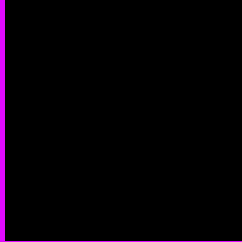
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.8990, 23.2844, 96.5248

Background



This preview shows how black text looks on a background with the XYZ color 48.8990, 23.2844, 96.5248.



This preview shows how white text looks on a background with the XYZ color 48.8990, 23.2844,

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

48.8990, 23.2844, 96.5248

Protanopia

27.6452, 23.8201, 97.7484

Deuteranopia

24.7818, 24.0282, 85.7698



Tritanopia

32.3879, 23.1550, 16.6723

Trichromacy



Original Color

48.8990, 23.2844, 96.5248



Protanomaly

28.8490, 17.7271, 96.5089



Deuteranomaly

24.6518, 16.2321, 88.2200



Tritanomaly

35.5916, 20.5846, 35.8155

Monochromacy



Original Color

48.8990, 23.2844, 96.5248



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

20.1537, 12.8359, 33.7631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8990, 23.2844, 96.5248 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(224, 10, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 10, 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(224, 10, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 10, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.8990, 23.2844, 96.5248 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(224, 10, 255) }
```


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

```
.border{ border-color:rgb(224, 10, 255) }
```

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

Here you see how a box with a 4 pixel rgb(224, 10, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 10, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 10, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 10,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8990, 23.2844, 96.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 10, 255) }
```

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

```
.background{ background-color: rgb(224, 10,  
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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