

Converting Colors

XYZ(48.2741, 23.1540, 80.5221)

Have a look what the booklet for
XYZ(48.2741, 23.1540, 80.5221)
contains.

XYZ(48.2741, 23.1540, 80.5221)	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(48.2741, 23.1540,
80.5221)**

Conversions

Conversions Part 1

Format	Color
Hex	E800EB
RGB	232, 0, 235
RGB Percent	91%, 0%, 92%
CMY	0.0902, 0.9998, 0.0784
CMYK	0.01, 1.00, 0.00, 0.08
HSL	299°, 100%, 46%
HSV	299°, 100%, 92%
XYZ	48.2741, 23.1540, 80.5221
YIQ	96.1580, 62.8370, 122.2690

Conversions

Conversions Part 2

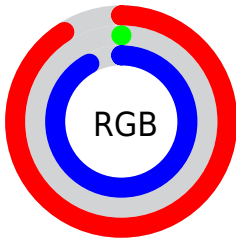
Format	Color
R _Y B	232, 0, 235
Decimal	15204587
CIE Lab	55.23, 91.90, -58.05
CIE LCh	55, 108.699, 327.720
Yxy	23.1540, 0.3177, 0.1524
Android (android.graphics.Color)	4293394667 (0xFFE800EB)
YUV	96.1580, 68.4491, 119.1334
Hunter-Lab	48.1186, 94.8693, -65.5334

Details

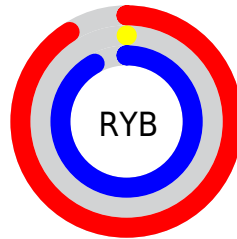
The XYZ color **48.2741, 23.1540, 80.5221** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **29.7467, 59.4366, 9.9057**, and the grayscale version is **10.9907, 11.5631, 12.5922**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **24.8305, 11.8723, 43.1023** is the 20% darker color. If you saturate the color by 10%, you get **48.2745, 23.1542, 80.5224**, and if you desaturate by 10%, it is **48.6893, 23.8389, 80.6327**.

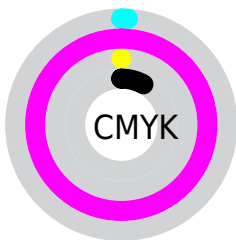
Distribution



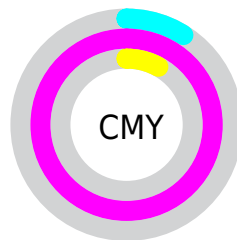
- Red (91%)
- Green (0%)
- Blue (92%)



- Red (91%)
- Yellow (0%)
- Blue (92%)



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





- Cyan (9%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2741, 23.1540, 80.5221 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 48.2741, 23.1540, 80.5221 by changing the saturation by 10% instead.

 48.2741, 23.1540,
80.5221


 48.2741, 23.1540,
80.5221


370.4421,
268.5150, 516.4437


 34.2562, 14.7073,
59.6194


 86.8196, 48.6461,
135.9176


 23.2543, 8.6142,
42.6886


 112.0779, 66.4602,
171.2474


 14.9031, 4.4904,
29.3113


 141.8136, 88.1656,
212.2233

 8.8373, 1.9515,
19.0688

 176.3922,
114.1466, 259.2639

 4.6915, 0.5791,
11.5427

 216.1790,
144.7876, 312.7877

 2.1003, 0.0000,
6.3144

261.5393,

 0.6894, 0.0000,

180.4731, 373.2132

2.9653

312.8386,
221.5874, 440.9591

■ 0.0000, 0.0000,
1.0769

■ 0.0000, 0.0000,
0.0000

■ 48.2741, 23.1540,
80.5221

■ 48.2741, 23.1540,
80.5221

■ 48.2745, 23.1542,
80.5224

■ 48.6893, 23.8389,
80.6327

■ 49.4878, 25.2909,
80.8709

■ 50.7915, 27.7532,
81.2775

■ 52.6716, 31.3680,
81.8761

■ 55.1878, 36.2547,
82.6867

■ 58.3925, 42.5181,
83.7268

■ 62.3324, 50.2519,
85.0119

■ 67.0504, 59.5415,
86.5563

■ 72.5861, 70.4662,
88.3732

Harmonies

Analogous

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



34.7686, 23.1540, 143.0249



48.2741, 23.1540, 80.5221



54.5992, 23.1540, 27.9682

Triad

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



48.2741, 23.1540, 80.5221



22.9500, 23.1540, 0.0000



7.1231, 23.1540, 70.9284

Complementary

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



48.2741, 23.1540, 80.5221



29.7467, 59.4366, 9.9057

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.



5.9395, 23.1540, 22.6408



48.2741, 23.1540, 80.5221



12.8268, 23.1540, 0.0000

Square

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



48.2741, 23.1540, 80.5221



36.9991, 23.1540, 0.2325



7.5704, 23.1540, 3.6966



11.7357, 23.1540, 134.7214

Rectangle

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



48.2741, 23.1540, 80.5221



52.6249, 23.1540, 9.8317



7.5704, 23.1540, 3.6966



6.4067, 23.1540, 51.5679

Sweetspot

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



48.2751, 23.1551, 80.5226



74.9518, 60.3354, 102.3033



15.0389, 6.0843, 78.9793



15.5903, 12.0252, 21.7494



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.



48.2751, 23.1551, 80.5226



58.1027, 27.8679, 96.9244



37.7395, 19.0543, 19.9182



15.6947, 15.3034, 19.0489



26.8758, 12.8909, 44.8146



2.1165, 1.0154, 3.5193

Inverse Universe

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



34.2781, 17.6697, 1.6912



41.2578, 21.2671, 2.0239



32.7237, 60.6230, 25.7782



15.0733, 15.0572, 15.6712



19.0804, 9.8349, 0.9590



1.5010, 0.7734, 0.0898

Previews

White Background



This preview shows how the XYZ color 48.2741, 23.1540, 80.5221 looks on a white background.

Color Contrast Check

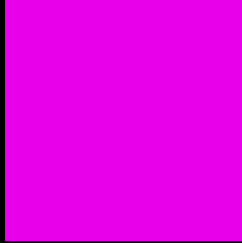
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.2741, 23.1540, 80.5221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

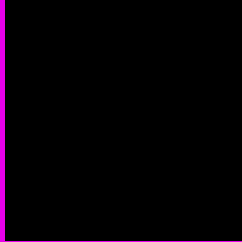
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.2741, 23.1540, 80.5221

Background



This preview shows how black text looks on a background with the XYZ color 48.2741, 23.1540, 80.5221.



This preview shows how white text looks on a background with the XYZ color 48.2741, 23.1540,

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

48.2741, 23.1540, 80.5221

Protanopia

27.8961, 24.1459, 97.7981

Deuteranopia

24.5567, 23.8072, 71.7076



Tritanopia

34.6470, 23.2878, 14.2242

Trichromacy



Original Color

48.2741, 23.1540, 80.5221



Protanomaly

28.2049, 17.1748, 90.6354



Deuteranomaly

26.6488, 16.9745, 73.8234



Tritanomaly

37.0335, 20.7956, 30.0791

Monochromacy



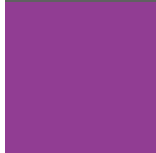
Original Color

48.2741, 23.1540, 80.5221



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.6123, 11.4638, 28.8355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2741, 23.1540, 80.5221 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(232, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 48.2741, 23.1540, 80.5221 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(232, 0, 235) }
```


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

```
.border{ border-color:rgb(232, 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(232, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2741, 23.1540, 80.5221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 235) }
```

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

```
.background{ background-color: rgb(232, 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](#).

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