

Converting Colors

XYZ(47.3491, 23.1796, 57.7752)

Have a look what the booklet for
XYZ(47.3491, 23.1796, 57.7752)
contains.

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Color

**XYZ(47.2786, 23.1415,
57.8520)**

Conversions

Conversions Part 1

Format	Color
Hex	F200CA
RGB	242, 0, 202
RGB Percent	95%, 0%, 79%
CMY	0.0510, 0.9998, 0.2078
CMYK	0.00, 1.00, 0.17, 0.05
HSL	310°, 100%, 47%
HSV	310°, 100%, 95%
XYZ	47.2786, 23.1415, 57.8520
YIQ	95.3860, 79.3900, 114.1260

Conversions

Conversions Part 2

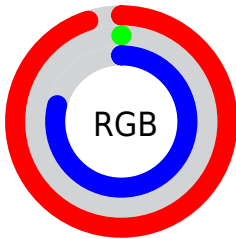
Format	Color
R_{YB}	242, 0, 202
Decimal	15859914
CIE _{Lab}	55.22, 89.19, -39.20
CIE _{LCh}	55, 97.428, 336.276
Yxy	23.1415, 0.3686, 0.1804
Android (android.graphics.Color)	4294049994 (0xFFFF200CA)
YUV	95.3860, 52.5607, 128.5805
Hunter-Lab	48.1056, 91.2465, -37.6285

Details

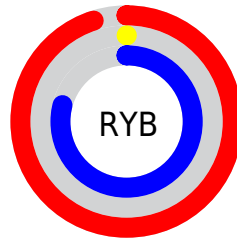
The XYZ color **47.2786, 23.1415, 57.8520** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **32.1368, 63.6585, 12.6053**, and the grayscale version is **10.8408, 11.4054, 12.4205**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **24.3225, 11.9303, 28.6246** is the 20% darker color. If you saturate the color by 10%, you get **47.2780, 23.1413, 57.8473**, and if you desaturate by 10%, it is **48.0907, 23.9972, 60.4905**.

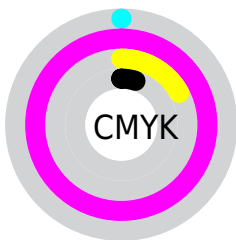
Distribution



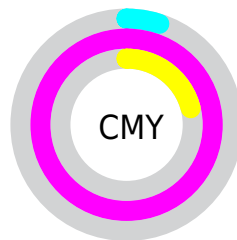
- Red (95%)
- Green (0%)
- Blue (79%)



- Red (95%)
- Yellow (0%)
- Blue (79%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2786, 23.1415, 57.8520 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 47.2786, 23.1415, 57.8520 by changing the saturation by 10% instead.

 47.2786, 23.1415,
57.8520

 47.2786, 23.1415,
57.8520


366.5559,
268.4509, 434.2171

 33.4648, 14.6980,
41.2758


 85.3455, 48.6256,
103.2200

 22.6437, 8.6077,
28.2133


 110.3294, 66.4349,
132.8488


 14.4499, 4.4862,
18.2461


 139.7674, 88.1351,
167.6655

 8.5180, 1.9491,
10.9555

 174.0248,
114.1104, 208.0887

 4.4827, 0.5776,
5.9231

 213.4670,
144.7452, 254.5369

 1.9787, 0.0000,
2.7304

258.4593,

 0.6220, 0.0000,

180.4240, 307.4287

0.9587

309.3672,
221.5311, 367.1826

■ 0.0000, 0.0000,
0.0000

■ 47.2786, 23.1415,
57.8520

■ 47.2786, 23.1415,
57.8520

■ 47.2780, 23.1413,
57.8473

■ 48.0907, 23.9972,
60.4905

■ 49.3267, 25.6813,
63.3313

■ 51.1156, 28.4515,
66.4178

■ 53.5342, 32.4608,
69.7762

■ 56.6468, 37.8380,
73.4282

■ 60.5098, 44.6954,
77.3932

■ 65.1735, 53.1339,
81.6883

■ 70.6841, 63.2455,
86.3293

■ 77.0841, 75.1151,
91.3308

Harmonies

Analogous

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



36.8590, 23.1415, 111.0754



47.2786, 23.1415, 57.8520



50.0705, 23.1415, 19.1930

Triad

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



47.2786, 23.1415, 57.8520



19.7845, 23.1415, 0.0000



9.0632, 23.1415, 79.9517

Complementary

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



47.2786, 23.1415, 57.8520



32.1368, 63.6585, 12.6053

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.



7.0549, 23.1415, 32.3386



47.2786, 23.1415, 57.8520



11.7853, 23.1415, 1.1789

Square

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



47.2786, 23.1415, 57.8520



31.5431, 23.1415, 0.4201



7.8537, 23.1415, 7.9496



14.5994, 23.1415, 129.6510

Rectangle

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



47.2786, 23.1415, 57.8520



46.6253, 23.1415, 6.8798



7.8537, 23.1415, 7.9496



8.0538, 23.1415, 62.1674

Sweetspot

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



47.2794, 23.1427, 57.8524



73.3401, 59.7322, 91.9465



16.7671, 6.7931, 84.4324



15.1991, 11.8789, 19.2330



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.



47.2794, 23.1427, 57.8524



53.2303, 26.0561, 65.0699



38.2477, 19.5300, 10.2922



16.3355, 15.9839, 19.3229



25.4416, 12.4491, 31.3059



2.1461, 1.0475, 2.7600

Inverse Universe

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



47.2794, 23.1427, 57.8524



53.2303, 26.0561, 65.0699



37.8659, 65.9502, 42.7744



16.3355, 15.9839, 19.3229



25.4416, 12.4491, 31.3059



2.1461, 1.0475, 2.7600

Previews

White Background



This preview shows how the XYZ color 47.2786, 23.1415, 57.8520 looks on a white background.

Color Contrast Check

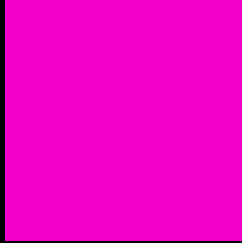
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.2786, 23.1415, 57.8520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

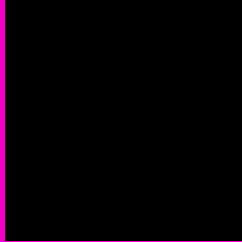
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.2786, 23.1415, 57.8520

Background



This preview shows how black text looks on a background with the XYZ color 47.2786, 23.1415, 57.8520.



This preview shows how white text looks on a background with the XYZ color 47.2786, 23.1415,

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

47.2786, 23.1415, 57.8520

Protanopia

28.0192, 24.2094, 97.8038

Deuteranopia

24.2466, 23.6874, 51.4383



Tritanopia

37.7476, 23.5332, 10.9404

Trichromacy



Original Color

47.2786, 23.1415, 57.8520



Protanomaly

26.9860, 16.7547, 81.1685



Deuteranomaly

27.4051, 17.7093, 53.0128



Tritanomaly

39.6067, 21.7328, 22.1860

Monochromacy



Original Color

47.2786, 23.1415, 57.8520



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.1317, 11.2488, 23.7699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2786, 23.1415, 57.8520 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(242, 0, 202)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 202)  
}
```

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(242, 0, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 202) }
```

Border

The CSS property to change the border of an element to XYZ 47.2786, 23.1415, 57.8520 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(242, 0, 202) }
```


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

```
.border{ border-color:rgb(242, 0, 202) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 202);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2786, 23.1415, 57.8520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 202) }
```

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

```
.background{ background-color: rgb(242, 0,  
202) }
```

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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