

Converting Colors

XYZ(46.6649, 23.0584, 52.4432)

Have a look what the booklet for
XYZ(46.6649, 23.0584, 52.4432)
contains.

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Color

**XYZ(46.6638, 23.0569,
52.4430)**

Conversions

Conversions Part 1

Format	Color
Hex	F307C1
RGB	243, 7, 193
RGB Percent	95%, 3%, 76%
CMY	0.0471, 0.9724, 0.2431
CMYK	0.00, 0.97, 0.21, 0.05
HSL	313°, 94%, 49%
HSV	313°, 97%, 95%
XYZ	46.6638, 23.0569, 52.4430
YIQ	98.7680, 80.9500, 107.8780

Conversions

Conversions Part 2

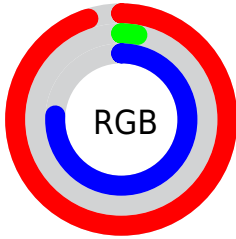
Format	Color
RYB	243, 7, 193
Decimal	15927233
CIELab	55.13, 87.84, -34.13
CIELCh	55, 94.243, 338.765
Yxy	23.0569, 0.3820, 0.1887
Android (android.graphics.Color)	4294117313 (0xFFFF307C1)
YUV	98.7680, 46.4564, 126.4915
Hunter-Lab	48.0176, 89.4366, -31.1420

Details

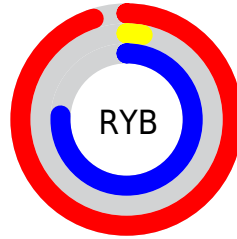
The XYZ color **46.6638, 23.0569, 52.4430** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **32.8788, 64.4430, 14.5833**, and the grayscale version is **11.6814, 12.2897, 13.3835**.

A 20% lighter version of the original color is **63.1490, 37.4695, 94.3465**, and **23.9516, 11.8092, 25.4431** is the 20% darker color. If you saturate the color by 10%, you get **46.4222, 22.8387, 51.5446**, and if you desaturate by 10%, it is **47.6719, 24.1373, 55.6630**.

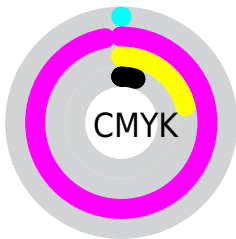
Distribution



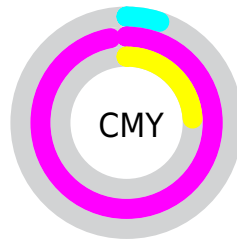
- Red (95%)
- Green (3%)
- Blue (76%)



- Red (95%)
- Yellow (3%)
- Blue (76%)



- Cyan (0%)
- Magenta (97%)
- Yellow (21%)
- Black (5%)





- Cyan (5%)
- Magenta (97%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6638, 23.0569, 52.4430 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 46.6638, 23.0569, 52.4430 by changing the saturation by 10% instead.

 46.6638, 23.0569,
52.4430


 46.6638, 23.0569,
52.4430


364.1423,
268.0171, 413.1500


 32.9768, 14.6355,
36.9736


 84.4334, 48.4867,
95.2175


 22.2678, 8.5640,
24.8914

 109.2466, 66.2640,
123.3596


 14.1715, 4.4579,
15.7779


 138.4993, 87.9287,
156.5632

 8.3226, 1.9329,
9.2145

 172.5569,
113.8652, 195.2466

 4.3556, 0.5680,
4.7826

 211.7846,
144.4578, 239.8284

 1.9052, 0.0000,
2.0638

256.5478,

 0.5799, 0.0000,

180.0911, 290.7273

0.5941

307.2120,
221.1494, 348.3616

■ 0.0000, 0.0000,
0.0000

■ 46.6638, 23.0569,
52.4430

■ 46.6638, 23.0569,
52.4430

■ 46.4222, 22.8387,
51.5446

■ 47.6719, 24.1373,
55.6630

■ 49.1748, 26.1754,
59.1475

■ 51.2678, 29.3609,
62.9294

■ 54.0242, 33.8403,
67.0339

■ 57.5064, 39.7381,
71.4829

■ 61.7696, 47.1643,
76.2957

■ 66.8635, 56.2180,
81.4897

■ 72.8335, 66.9899,
87.0810

■ 79.7218, 79.5640,
93.0845

Harmonies

Analogous

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



37.1596, 23.0569, 102.6718



46.6638, 23.0569, 52.4430



48.5695, 23.0569, 17.2781

Triad

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



46.6638, 23.0569, 52.4430



18.9774, 23.0569, 0.1336



9.6326, 23.0569, 81.5754

Complementary

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



46.6638, 23.0569, 52.4430



32.8788, 64.4430, 14.5833

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.



7.3953, 23.0569, 34.9975



46.6638, 23.0569, 52.4430



11.5407, 23.0569, 1.6167

Square

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



46.6638, 23.0569, 52.4430



30.0794, 23.0569, 0.5040



7.9598, 23.0569, 9.4359



15.3801, 23.0569, 126.9182

Rectangle

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



46.6638, 23.0569, 52.4430



44.8318, 23.0569, 6.2836



7.9598, 23.0569, 9.4359



8.5445, 23.0569, 64.5250

Sweetspot

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



46.6646, 23.0581, 52.4434



73.4027, 60.5796, 89.7409



17.7885, 7.4150, 85.2883



15.1834, 12.0270, 18.6743



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.



46.6646, 23.0581, 52.4434



51.7783, 25.4753, 57.4237



38.4081, 19.7555, 8.9655



17.0544, 16.7046, 20.0332



25.5293, 12.5552, 28.5596



2.2805, 1.1182, 2.7033

Inverse Universe

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



46.6646, 23.0581, 52.4434



51.7783, 25.4753, 57.4237



39.6061, 67.1340, 50.0089



17.0544, 16.7046, 20.0332



25.5293, 12.5552, 28.5596



2.2805, 1.1182, 2.7033

Previews

White Background



This preview shows how the XYZ color 46.6638, 23.0569, 52.4430 looks on a white background.

Color Contrast Check

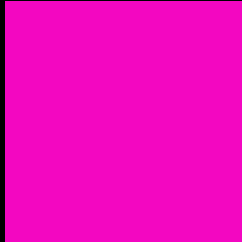
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.6638, 23.0569, 52.4430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

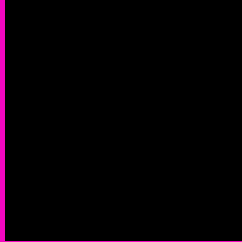
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.6638, 23.0569, 52.4430

Background



This preview shows how black text looks on a background with the XYZ color 46.6638, 23.0569, 52.4430.



This preview shows how white text looks on a background with the XYZ color 46.6638, 23.0569,

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

46.6638, 23.0569, 52.4430

Protanopia

27.7637, 23.8812, 97.7540

Deuteranopia

24.0645, 23.4907, 46.9819



Tritanopia

37.9641, 23.2405, 10.0744

Trichromacy



Original Color

46.6638, 23.0569, 52.4430



Protanomaly

26.5664, 16.8352, 78.1933



Deuteranomaly

27.3946, 18.0509, 47.9393



Tritanomaly

39.5601, 21.7527, 20.2028

Monochromacy



Original Color

46.6638, 23.0569, 52.4430



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

18.9444, 12.1692, 23.5407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6638, 23.0569, 52.4430 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(243, 7, 193)` looks like.

```
.text, #text, p{  
    color:rgb(243, 7, 193)  
}
```

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(243, 7, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 7, 193) }
```

Border

The CSS property to change the border of an element to XYZ 46.6638, 23.0569, 52.4430 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(243, 7, 193) }
```


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

```
.border{ border-color:rgb(243, 7, 193) }
```

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

Here you see how a box with a 4 pixel rgb(243, 7, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 7, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 7, 193);  
box-shadow:4px 4px 4px 4px rgb(243, 7,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6638, 23.0569, 52.4430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 7, 193) }
```

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

```
.background{ background-color: rgb(243, 7,  
193) }
```

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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