

Converting Colors

XYZ(47.5443, 23.9124, 61.2513)

Have a look what the booklet for
XYZ(47.5443, 23.9124, 61.2513)
contains.

XYZ(47.6619, 23.9588, 61.1439)	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(47.6619, 23.9588,
61.1439)**

Conversions

Conversions Part 1

Format	Color
Hex	F01ECF
RGB	240, 30, 207
RGB Percent	94%, 12%, 81%
CMY	0.0588, 0.8823, 0.1882
CMYK	0.00, 0.87, 0.14, 0.06
HSL	309°, 87%, 53%
HSV	309°, 87%, 94%
XYZ	47.6619, 23.9588, 61.1439
YIQ	112.9680, 68.3430, 99.5670

Conversions

Conversions Part 2

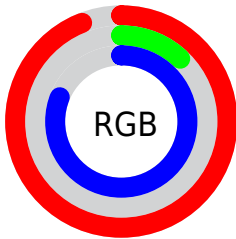
Format	Color
R _Y B	240, 30, 207
Decimal	15736527
CIE Lab	56.05, 86.69, -40.79
CIE LCh	56, 95.805, 334.804
Yxy	23.9588, 0.3590, 0.1805
Android (android.graphics.Color)	4293926607 (0xFFFF01ECF)
YUV	112.9680, 46.3578, 111.4071
Hunter-Lab	48.9477, 88.1524, -39.7997

Details

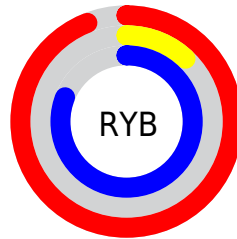
The XYZ color **47.6619, 23.9588, 61.1439** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **32.5941, 62.9561, 15.1396**, and the grayscale version is **15.5428, 16.3522, 17.8076**.

A 20% lighter version of the original color is **64.6526, 39.2051, 98.7675**, and **24.2579, 11.8507, 30.7146** is the 20% darker color. If you saturate the color by 10%, you get **46.8075, 22.9788, 58.6111**, and if you desaturate by 10%, it is **48.9849, 25.8574, 63.8876**.

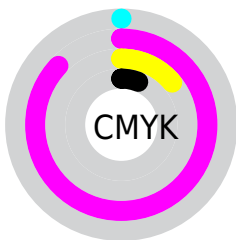
Distribution



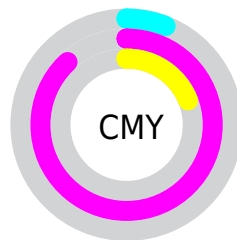
- Red (94%)
- Green (12%)
- Blue (81%)



- Red (94%)
- Yellow (12%)
- Blue (81%)



- Cyan (0%)
- Magenta (87%)
- Yellow (14%)
- Black (6%)





- Cyan (6%)
- Magenta (88%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6619, 23.9588, 61.1439 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 47.6619, 23.9588, 61.1439 by changing the saturation by 10% instead.


 47.6619, 23.9588,
61.1439


 47.6619, 23.9588,
61.1439


368.0553,
272.6121, 446.7226


 33.7694, 15.3031,
43.9100


 85.9135, 49.9630,
108.0468

 22.8785, 9.0324,
30.2631


 111.0033, 68.0802,
138.5529


 14.6240, 4.7623,
19.7846


 140.5563, 90.1200,
174.3202

 8.6405, 2.1085,
12.0561

 174.9377,
116.4668, 215.7671

 4.5627, 0.6694,
6.6589

 214.5130,
147.5051, 263.3123

 2.0251, 0.0000,
3.1745

259.6474,

 0.6480, 0.0000,

183.6191, 317.3742

1.1844

310.7064,
225.1933, 378.3715

■ 0.0000, 0.0000,
0.0000

■ 47.6619, 23.9588,
61.1439

■ 47.6619, 23.9588,
61.1439

■ 46.8075, 22.9788,
58.6111

■ 48.9849, 25.8574,
63.8876

■ 46.6296, 22.8031,
57.9963

■ 50.8685, 28.8600,
66.8727

■ 53.3852, 33.1108,
70.1239

■ 56.5956, 38.7311,
73.6619

■ 60.5534, 45.8281,
77.5047

65.3068, 54.4982,
81.6690

70.9001, 64.8296,
86.1697

77.3741, 76.9040,
91.0209

84.7670, 90.7977,
96.2356

Harmonies

Analogous

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



37.0442, 23.9588, 113.6625



47.6619, 23.9588, 61.1439



50.8922, 23.9588, 21.3516

Triad

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



47.6619, 23.9588, 61.1439



21.0523, 23.9588, 0.0813



9.4801, 23.9588, 77.9304

Complementary

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



47.6619, 23.9588, 61.1439



32.5941, 62.9561, 15.1396

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.



7.5650, 23.9588, 31.4755



47.6619, 23.9588, 61.1439



12.7365, 23.9588, 1.2864

Square

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



47.6619, 23.9588, 61.1439



32.9745, 23.9588, 0.6951



8.5297, 23.9588, 7.9045



14.9265, 23.9588, 127.6876

Rectangle

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



47.6619, 23.9588, 61.1439



47.7617, 23.9588, 8.0746



8.5297, 23.9588, 7.9045



8.4980, 23.9588, 60.4857

Sweetspot

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



47.6628, 23.9600, 61.1443



75.7905, 64.0932, 94.4273



18.1496, 8.2295, 83.0705



15.7836, 12.9134, 19.8426



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.



47.6628, 23.9600, 61.1443



53.4960, 26.1624, 66.4693



38.8743, 20.4446, 14.8649



16.3413, 15.9862, 19.3535



25.5665, 12.4990, 31.9634



2.1553, 1.0512, 2.8087

Inverse Universe

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



47.6628, 23.9600, 61.1443



53.4960, 26.1624, 66.4693



38.6260, 65.3688, 46.9027



16.3413, 15.9862, 19.3535



25.5665, 12.4990, 31.9634



2.1553, 1.0512, 2.8087

Previews

White Background



This preview shows how the XYZ color 47.6619, 23.9588, 61.1439 looks on a white background.

Color Contrast Check

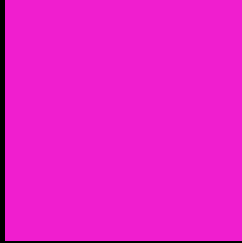
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.6619, 23.9588, 61.1439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

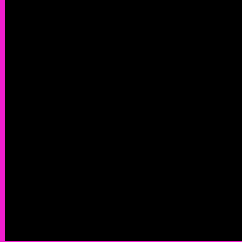
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.6619, 23.9588, 61.1439

Background



This preview shows how black text looks on a background with the XYZ color 47.6619, 23.9588, 61.1439.



This preview shows how white text looks on a background with the XYZ color 47.6619, 23.9588,

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

47.6619, 23.9588, 61.1439

Protanopia

28.4131, 24.6108, 97.8606

Deuteranopia

24.9310, 24.3698, 55.0196



Tritanopia

37.4071, 23.8932, 12.3131

Trichromacy



Original Color

47.6619, 23.9588, 61.1439



Protanomaly

28.4886, 18.8456, 83.0250



Deuteranomaly

28.5922, 19.7584, 56.3396



Tritanomaly

39.7282, 22.7977, 24.4968

Monochromacy



Original Color

47.6619, 23.9588, 61.1439



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

22.6578, 15.6640, 29.4330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6619, 23.9588, 61.1439 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(240, 30, 207)` looks like.

```
.text, #text, p{  
    color:rgb(240, 30, 207)  
}
```

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(240, 30, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 30, 207) }
```

Border

The CSS property to change the border of an element to XYZ 47.6619, 23.9588, 61.1439 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(240, 30, 207) }
```


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

```
.border{ border-color:rgb(240, 30, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 30, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 30, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 30, 207);  
box-shadow:4px 4px 4px 4px rgb(240, 30,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6619, 23.9588, 61.1439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 30, 207) }
```

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

```
.background{ background-color: rgb(240, 30,  
207) }
```

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