

Converting Colors

XYZ(41.5139, 20.7450, 31.5899)

Have a look what the booklet for
XYZ(41.5139, 20.7450, 31.5899)
contains.

XYZ(41.6027, 20.7923, 31.5264)	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(41.6027, 20.7923,
31.5264)**

Conversions

Conversions Part 1

Format	Color
Hex	F00098
RGB	240, 0, 152
RGB Percent	94%, 0%, 60%
CMY	0.0588, 0.9998, 0.4039
CMYK	0.00, 1.00, 0.37, 0.06
HSL	322°, 100%, 47%
HSV	322°, 100%, 94%
XYZ	41.6027, 20.7923, 31.5264
YIQ	89.0880, 94.2480, 98.1520

Conversions

Conversions Part 2

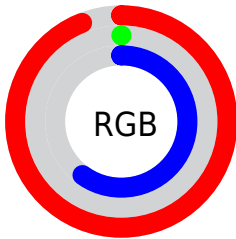
Format	Color
R_{YB}	240, 0, 152
Decimal	15728792
CIE _{Lab}	52.72, 83.42, -13.83
CIE _{LCh}	53, 84.559, 350.588
Yxy	20.7923, 0.4430, 0.2214
Android (android.graphics.Color)	4293918872 (0xFFFF0098)
YUV	89.0880, 31.0156, 132.3498
Hunter-Lab	45.5986, 83.0603, -9.0735

Details

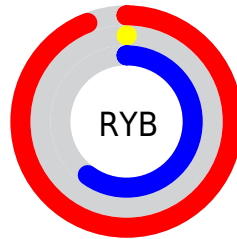
The XYZ color **41.6027, 20.7923, 31.5264** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **32.9245, 63.0260, 19.6745**, and the grayscale version is **9.4408, 9.9324, 10.8164**.

A 20% lighter version of the original color is **56.6553, 34.2656, 62.0204**, and **20.7091, 10.4046, 13.2287** is the 20% darker color. If you saturate the color by 10%, you get **41.6010, 20.7916, 31.5177**, and if you desaturate by 10%, it is **42.6786, 21.7471, 35.5751**.

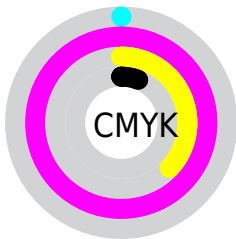
Distribution



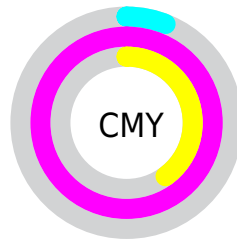
- Red (94%)
- Green (0%)
- Blue (60%)



- Red (94%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6027, 20.7923, 31.5264 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 41.6027, 20.7923, 31.5264 by changing the saturation by 10% instead.


 41.6027, 20.7923,
31.5264


 41.6027, 20.7923,
31.5264


343.8530,
256.1726, 323.3821

 28.9801, 12.9723,
20.7382


 76.8669, 44.7416,
63.1571


 19.2100, 7.4095,
12.7434


 100.2392, 61.6397,
84.8368


 11.9270, 3.7195,
7.1234


 127.9254, 82.3325,
110.9840

 6.7658, 1.5179,
3.4598

 160.2910,
107.2046, 142.0172

 3.3611, 0.3013,
1.3339

 197.7011,
136.6402, 178.3552

 1.3475, 0.0000,
0.0894

 240.5213,

 0.2183, 0.0000,

171.0238, 220.4163

0.0000

289.1168,
210.7398, 268.6191

■ 0.0000, 0.0000,
0.0000

■ 41.6027, 20.7923,
31.5264

■ 41.6027, 20.7923,
31.5264

■ 41.6010, 20.7916,
31.5177

■ 42.6786, 21.7471,
35.5751

■ 44.2127, 23.5310,
40.0460

■ 46.3329, 26.3979,
44.9870

■ 49.1151, 30.4979,
50.4288

■ 52.6233, 35.9576,
56.3977

■ 56.9137, 42.8873,
62.9173

■ 62.0365, 51.3864,
70.0093

■ 68.0377, 61.5452,
77.6936

■ 74.9600, 73.4473,
85.9891

Harmonies

Analogous

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



35.9344, 20.7923, 69.4616



41.6027, 20.7923, 31.5264



40.2170, 20.7923, 9.5143

Triad

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



41.6027, 20.7923, 31.5264



14.3884, 20.7923, 0.8209



10.8471, 20.7923, 84.5312

Complementary

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



41.6027, 20.7923, 31.5264



32.9245, 63.0260, 19.6745

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.



7.7757, 20.7923, 44.3195



41.6027, 20.7923, 31.5264



9.3584, 20.7923, 3.7034

Square

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



41.6027, 20.7923, 31.5264



22.6612, 20.7923, 0.5229



7.3265, 20.7923, 15.6022



17.1221, 20.7923, 112.0250

Rectangle

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



41.6027, 20.7923, 31.5264



35.6025, 20.7923, 3.4799



7.3265, 20.7923, 15.6022



9.4948, 20.7923, 71.0844

Sweetspot

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



41.6033, 20.7935, 31.5267



71.1174, 58.8431, 80.2418



19.7566, 8.3689, 83.0122



14.6652, 11.6653, 16.4214



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.



41.6033, 20.7935, 31.5267



47.7153, 23.8501, 36.0286



36.1972, 18.6310, 3.0583



16.1940, 15.9273, 18.5779



22.8393, 11.4081, 17.6021



1.9477, 0.9681, 1.7155

Inverse Universe

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



41.6033, 20.7935, 31.5267



47.7153, 23.8501, 36.0286



42.5469, 66.8750, 70.3450



16.1940, 15.9273, 18.5779



22.8393, 11.4081, 17.6021



1.9477, 0.9681, 1.7155

Previews

White Background



This preview shows how the XYZ color 41.6027, 20.7923, 31.5264 looks on a white background.

Color Contrast Check

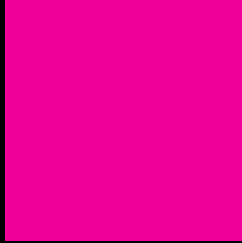
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.6027, 20.7923, 31.5264 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 41.6027, 20.7923, 31.5264

Background



This preview shows how black text looks on a background with the XYZ color 41.6027, 20.7923, 31.5264.



This preview shows how white text looks on a background with the XYZ color 41.6027, 20.7923,

31.5264.

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

41.6027, 20.7923, 31.5264

Protanopia

23.7930, 21.5035, 69.2262

Deuteranopia

21.6882, 21.3249, 28.1723



Tritanopia

36.4170, 21.0719, 6.7053

Trichromacy



Original Color

41.6027, 20.7923, 31.5264



Protanomaly

23.8613, 15.3266, 52.7396



Deuteranomaly

24.9201, 16.4070, 28.6415



Tritanomaly

37.3507, 20.0453, 12.7270

Monochromacy



Original Color

41.6027, 20.7923, 31.5264



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.8894, 10.0254, 16.4269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6027, 20.7923, 31.5264 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, 0, 152)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 152)  
}
```

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, 0, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 152) }
```

Border

The CSS property to change the border of an element to XYZ 41.6027, 20.7923, 31.5264 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, 0, 152) }
```


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

```
.border{ border-color:rgb(240, 0, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 0, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 152);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6027, 20.7923, 31.5264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 152) }
```

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

```
.background{ background-color: rgb(240, 0,  
152) }
```

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