

Converting Colors

XYZ(41.6174, 20.7864, 32.1349)

Have a look what the booklet for
XYZ(41.6174, 20.7864, 32.1349)
contains.

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Color

**XYZ(41.6849, 20.8252,
31.9596)**

Conversions

Conversions Part 1

Format	Color
Hex	F00099
RGB	240, 0, 153
RGB Percent	94%, 0%, 60%
CMY	0.0588, 0.9998, 0.4000
CMYK	0.00, 1.00, 0.36, 0.06
HSL	322°, 100%, 47%
HSV	322°, 100%, 94%
XYZ	41.6849, 20.8252, 31.9596
YIQ	89.2020, 93.9270, 98.4630

Conversions

Conversions Part 2

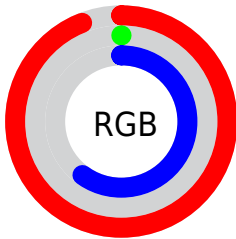
Format	Color
R_{YB}	240, 0, 153
Decimal	15728793
CIE _{Lab}	52.76, 83.51, -14.37
CIE _{LCh}	53, 84.741, 350.238
Yxy	20.8252, 0.4413, 0.2204
Android (android.graphics.Color)	4293918873 (0xFFFF0099)
YUV	89.2020, 31.4524, 132.2498
Hunter-Lab	45.6346, 83.1900, -9.5787

Details

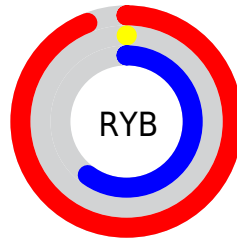
The XYZ color **41.6849, 20.8252, 31.9596** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **32.8834, 63.0095, 19.4579**, and the grayscale version is **9.4652, 9.9582, 10.8445**.

A 20% lighter version of the original color is **56.7772, 34.3144, 62.6623**, and **20.7584, 10.4243, 13.4884** is the 20% darker color. If you saturate the color by 10%, you get **41.6832, 20.8245, 31.9507**, and if you desaturate by 10%, it is **42.7581, 21.7789, 35.9940**.

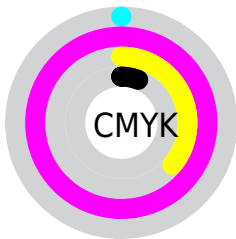
Distribution



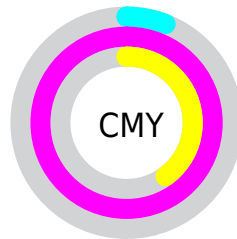
- Red (94%)
- Green (0%)
- Blue (60%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (6%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6849, 20.8252, 31.9596 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 41.6849, 20.8252, 31.9596 by changing the saturation by 10% instead.


 41.6849, 20.8252,
31.9596


 41.6849, 20.8252,
31.9596


344.1890,
256.3481, 325.4222


 29.0447, 12.9963,
21.0661


 76.9907, 44.7964,
63.8449


 19.2591, 7.4260,
12.9806


 100.3869, 61.7076,
85.6738


 11.9627, 3.7299,
7.2846


 128.0992, 82.4149,
111.9849

 6.7903, 1.5237,
3.5596

 160.4929,
107.3028, 143.1967

 3.3765, 0.3053,
1.3870

 197.9334,
136.7556, 179.7278

 1.3558, 0.0000,
0.1315

 240.7860,

 0.2244, 0.0000,

171.1579, 221.9967

0.0000

289.4161,
210.8939, 270.4220

■ 0.0000, 0.0000,
0.0000

■ 41.6849, 20.8252,
31.9596

■ 41.6849, 20.8252,
31.9596

■ 41.6832, 20.8245,
31.9507

■ 42.7581, 21.7789,
35.9940

■ 44.2884, 23.5614,
40.4446

■ 46.4036, 26.4263,
45.3593

■ 49.1796, 30.5240,
50.7684

■ 52.6805, 35.9807,
56.6981

■ 56.9621, 42.9071,
63.1718

■ 62.0749, 51.4022,
70.2110

■ 68.0649, 61.5566,
77.8354

■ 74.9744, 73.4537,
86.0638

Harmonies

Analogous

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



35.9245, 20.8252, 70.1631



41.6849, 20.8252, 31.9596



40.3805, 20.8252, 9.6708

Triad

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



41.6849, 20.8252, 31.9596



14.4821, 20.8252, 0.8007



10.7990, 20.8252, 84.3564

Complementary

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



41.6849, 20.8252, 31.9596



32.8834, 63.0095, 19.4579

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.



7.7547, 20.8252, 43.9982



41.6849, 20.8252, 31.9596



9.4005, 20.8252, 3.6263

Square

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



41.6849, 20.8252, 31.9596



22.8144, 20.8252, 0.5207



7.3330, 20.8252, 15.3892



17.0522, 20.8252, 112.2851

Rectangle

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



41.6849, 20.8252, 31.9596



35.7897, 20.8252, 3.5359



7.3330, 20.8252, 15.3892



9.4558, 20.8252, 70.8225

Sweetspot

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



41.6855, 20.8264, 31.9599



71.1614, 58.8607, 80.4736



19.3882, 8.1790, 82.9947



14.6757, 11.6695, 16.4767



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.



41.6855, 20.8264, 31.9599



47.8098, 23.8879, 36.5260



36.2549, 18.6541, 3.3627



16.1969, 15.9285, 18.5931



22.8841, 11.4261, 17.8380



1.9512, 0.9695, 1.7341

Inverse Universe

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



41.6855, 20.8264, 31.9599



47.8098, 23.8879, 36.5260



42.0608, 66.6805, 67.7858



16.1969, 15.9285, 18.5931



22.8841, 11.4261, 17.8380



1.9512, 0.9695, 1.7341

Previews

White Background



This preview shows how the XYZ color 41.6849, 20.8252, 31.9596 looks on a white background.

Color Contrast Check

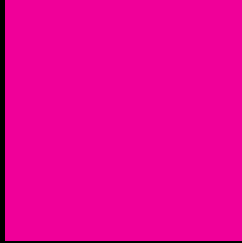
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.6849, 20.8252, 31.9596 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 41.6849, 20.8252, 31.9596

Background



This preview shows how black text looks on a background with the XYZ color 41.6849, 20.8252, 31.9596.



This preview shows how white text looks on a background with the XYZ color 41.6849, 20.8252,

31.9596.

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

41.6849, 20.8252, 31.9596

Protanopia

23.9576, 21.7601, 69.9553

Deuteranopia

21.7630, 21.3548, 28.5660



Tritanopia

36.4447, 21.0830, 6.8512

Trichromacy



Original Color

41.6849, 20.8252, 31.9596



Protanomaly

23.8743, 15.4282, 53.3494



Deuteranomaly

24.9975, 16.4379, 29.0495



Tritanomaly

37.3965, 20.0636, 12.9680

Monochromacy



Original Color

41.6849, 20.8252, 31.9596



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 41.6849, 20.8252, 31.9596 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 153) }
```

Border

The CSS property to change the border of an element to XYZ 41.6849, 20.8252, 31.9596 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, 153) }
```


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

```
.border{ border-color:rgb(240, 0, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6849, 20.8252, 31.9596 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, 153) }
```

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

```
.background{ background-color: rgb(240, 0,  
153) }
```

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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