

Converting Colors

XYZ(41.8644, 20.9857, 28.8929)

Have a look what the booklet for
XYZ(41.8644, 20.9857, 28.8929)
contains.

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Color

**XYZ(41.8063, 20.9526,
29.0349)**

Conversions

Conversions Part 1

Format	Color
Hex	F20092
RGB	242, 0, 146
RGB Percent	95%, 0%, 57%
CMY	0.0510, 0.9998, 0.4275
CMYK	0.00, 1.00, 0.40, 0.05
HSL	324°, 100%, 47%
HSV	324°, 100%, 95%
XYZ	41.8063, 20.9526, 29.0349
YIQ	89.0020, 97.3660, 96.7100

Conversions

Conversions Part 2

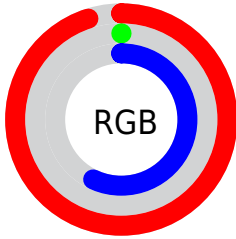
Format	Color
R_{YB}	242, 0, 146
Decimal	15859858
CIE _{Lab}	52.90, 83.28, -9.94
CIE _{LCh}	53, 83.871, 353.192
Yxy	20.9526, 0.4554, 0.2283
Android (android.graphics.Color)	4294049938 (0xFFFF20092)
YUV	89.0020, 28.1000, 134.1792
Hunter-Lab	45.7740, 82.9230, -5.5664

Details

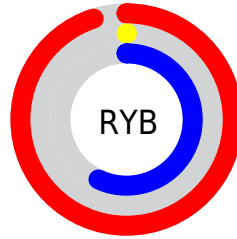
The XYZ color **41.8063, 20.9526, 29.0349** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **33.8668, 64.3502, 21.7158**, and the grayscale version is **9.4277, 9.9186, 10.8014**.

A 20% lighter version of the original color is **56.0330, 34.1655, 58.2849**, and **20.9337, 10.5478, 11.9989** is the 20% darker color. If you saturate the color by 10%, you get **41.8046, 20.9519, 29.0259**, and if you desaturate by 10%, it is **42.9170, 21.9280, 33.2468**.

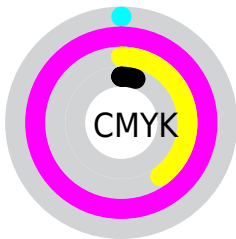
Distribution



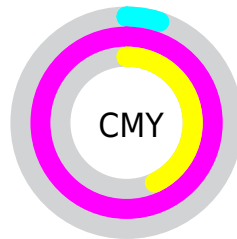
- Red (95%)
- Green (0%)
- Blue (57%)



- Red (95%)
- Yellow (0%)
- Blue (57%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8063, 20.9526, 29.0349 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 41.8063, 20.9526, 29.0349 by changing the saturation by 10% instead.

 41.8063, 20.9526,
29.0349


 41.8063, 20.9526,
29.0349


344.6847,
257.0265, 311.4457


 29.1401, 13.0894,
18.8614


 77.1734, 45.0086,
59.1754


 19.3316, 7.4901,
11.3944


 100.6050, 61.9702,
79.9795


 12.0156, 3.7705,
6.2153


 128.3558, 82.7334,
105.1641

 6.8266, 1.5460,
2.9055

 160.7911,
107.6825, 135.1480

 3.3992, 0.3208,
1.0466

 198.2762,
137.2020, 170.3495

 1.3682, 0.0000,
0.0000

 241.1767,

 0.2334, 0.0000,

171.6762, 211.1873

0.0000

289.8577,
211.4896, 258.0798

■ 0.0000, 0.0000,
0.0000

■ 41.8063, 20.9526,
29.0349

■ 41.8063, 20.9526,
29.0349

■ 41.8046, 20.9519,
29.0259

■ 42.9170, 21.9280,
33.2468

■ 44.5039, 23.7528,
37.9342

■ 46.6969, 26.6849,
43.1476

■ 49.5741, 30.8780,
48.9198

■ 53.2011, 36.4613,
55.2793

■ 57.6354, 43.5476,
62.2518

■ 62.9287, 52.2384,
69.8608

■ 69.1281, 62.6260,
78.1280

■ 76.2774, 74.7957,
87.0740

Harmonies

Analogous

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



36.7091, 20.9526, 65.7399



41.8063, 20.9526, 29.0349



39.7989, 20.9526, 8.5845

Triad

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



41.8063, 20.9526, 29.0349



13.9816, 20.9526, 0.9866



11.4197, 20.9526, 87.4959

Complementary

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



41.8063, 20.9526, 29.0349



33.8668, 64.3502, 21.7158

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.



8.0832, 20.9526, 47.6260



41.8063, 20.9526, 29.0349



9.2300, 20.9526, 4.3821

Square

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



41.8063, 20.9526, 29.0349



21.9827, 20.9526, 0.5540



7.4199, 20.9526, 17.5516



17.9809, 20.9526, 112.2960

Rectangle

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



41.8063, 20.9526, 29.0349



34.9230, 20.9526, 3.1480



7.4199, 20.9526, 17.5516



9.9724, 20.9526, 74.4462

Sweetspot

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



41.8069, 20.9538, 29.0352



70.8024, 58.7171, 78.5830



20.5218, 8.7288, 84.6077



14.5901, 11.6353, 16.0261



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.



41.8069, 20.9538, 29.0352



47.0577, 23.5871, 32.5657



36.8316, 18.9637, 2.8356



16.1732, 15.9190, 18.4684



22.5270, 11.2832, 15.9575



1.9229, 0.9582, 1.5849

Inverse Universe

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



41.8069, 20.9538, 29.0352



47.0577, 23.5871, 32.5657



43.8615, 68.3481, 74.3474



16.1732, 15.9190, 18.4684



22.5270, 11.2832, 15.9575



1.9229, 0.9582, 1.5849

Previews

White Background



This preview shows how the XYZ color 41.8063, 20.9526, 29.0349 looks on a white background.

Color Contrast Check

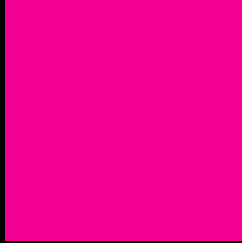
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.8063, 20.9526, 29.0349 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 41.8063, 20.9526, 29.0349

Background



This preview shows how black text looks on a background with the XYZ color 41.8063, 20.9526, 29.0349.



This preview shows how white text looks on a background with the XYZ color 41.8063, 20.9526,

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

41.8063, 20.9526, 29.0349

Protanopia

23.4583, 21.6504, 63.2642

Deuteranopia

21.8974, 21.4829, 25.9142



Tritanopia

37.2275, 21.3464, 6.2958

Trichromacy



Original Color

41.8063, 20.9526, 29.0349



Protanomaly

23.9443, 15.5784, 48.1993



Deuteranomaly

25.1354, 16.5700, 26.2996



Tritanomaly

38.1465, 20.4292, 11.8302

Monochromacy



Original Color

41.8063, 20.9526, 29.0349



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.9547, 10.0718, 15.8550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8063, 20.9526, 29.0349 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 146) }
```

Border

The CSS property to change the border of an element to XYZ 41.8063, 20.9526, 29.0349 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, 146) }
```


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

```
.border{ border-color:rgb(242, 0, 146) }
```

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, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 146);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8063, 20.9526, 29.0349 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, 146) }
```

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

```
.background{ background-color: rgb(242, 0,  
146) }
```

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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