

Converting Colors

XYZ(41.2741, 20.9899, 47.9295)

Have a look what the booklet for
XYZ(41.2741, 20.9899, 47.9295)
contains.

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Color

**XYZ(41.2419, 20.9767,
47.7742)**

Conversions

Conversions Part 1

Format	Color
Hex	E41FB9
RGB	228, 31, 185
RGB Percent	89%, 12%, 73%
CMY	0.1059, 0.8784, 0.2745
CMYK	0.00, 0.86, 0.19, 0.11
HSL	313°, 78%, 51%
HSV	313°, 86%, 89%
XYZ	41.2419, 20.9767, 47.7742
YIQ	107.4590, 67.9780, 89.6580

Conversions

Conversions Part 2

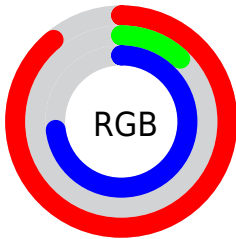
Format	Color
R_{YB}	228, 31, 185
Decimal	14950329
CIE _{Lab}	52.92, 81.45, -33.14
CIE _{LCh}	53, 87.931, 337.858
Yxy	20.9767, 0.3750, 0.1907
Android (android.graphics.Color)	4293140409 (0xFFE41FB9)
YUV	107.4590, 38.2277, 105.7145
Hunter-Lab	45.8003, 80.5836, -29.7850

Details

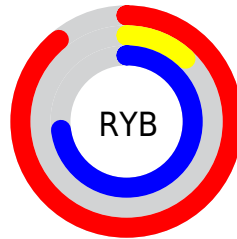
The XYZ color **41.2419, 20.9767, 47.7742** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **29.5458, 56.2735, 15.7863**, and the grayscale version is **13.9889, 14.7174, 16.0272**.

A 20% lighter version of the original color is **62.1688, 37.7140, 87.2220**, and **20.2452, 9.9635, 22.3288** is the 20% darker color. If you saturate the color by 10%, you get **40.3250, 19.9687, 44.9215**, and if you desaturate by 10%, it is **42.5977, 22.8322, 50.8643**.

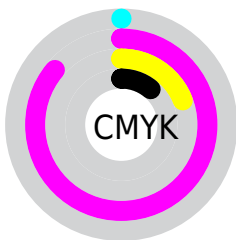
Distribution



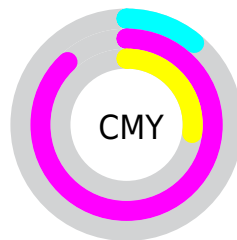
- Red (89%)
- Green (12%)
- Blue (73%)



- Red (89%)
- Yellow (12%)
- Blue (73%)



- Cyan (0%)
- Magenta (86%)
- Yellow (19%)
- Black (11%)





- Cyan (11%)
- Magenta (88%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2419, 20.9767, 47.7742 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 41.2419, 20.9767, 47.7742 by changing the saturation by 10% instead.

 41.2419, 20.9767,
47.7742

 41.2419, 20.9767,
47.7742

342.3760,
257.1546, 394.3793


 28.6967, 13.1070,
33.2894


 76.3234, 45.0488,
88.2302


 18.9946, 7.5022,
22.0753


 99.5903, 62.0199,
115.0384

 11.7704, 3.7781,
13.7134


 127.1618, 82.7936,
146.7915

 6.6586, 1.5502,
7.7851

 159.4033,
107.7542, 183.9080

 3.2939, 0.3237,
3.8720

 196.6801,
137.2863, 226.8066

 1.3110, 0.0000,
1.5554

239.3576,

 0.1915, 0.0000,

171.7741, 275.9056

0.2587

287.8011,
211.6021, 331.6236

■ 0.0000, 0.0000,
0.0000

■ 41.2419, 20.9767,
47.7742

■ 41.2419, 20.9767,
47.7742

■ 40.3250, 19.9687,
44.9215

■ 42.5977, 22.8322,
50.8643

■ 40.0542, 19.7177,
43.9353

■ 44.4676, 25.6865,
54.2172

■ 46.9140, 29.6640,
57.8549

■ 49.9899, 34.8700,
61.7958

■ 53.7419, 41.3977,
66.0564

■ 58.2123, 49.3313,
70.6516

■ 63.4398, 58.7480,
75.5952

■ 69.4603, 69.7193,
80.8999

■ 76.3075, 82.3121,
86.5777

Harmonies

Analogous

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



32.8955, 20.9767, 90.8108



41.2419, 20.9767, 47.7742



43.1193, 20.9767, 16.5858

Triad

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



41.2419, 20.9767, 47.7742



17.6139, 20.9767, 0.2896



8.9722, 20.9767, 70.2248

Complementary

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



41.2419, 20.9767, 47.7742



29.5458, 56.2735, 15.7863

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.



7.0399, 20.9767, 30.4969



41.2419, 20.9767, 47.7742



10.9270, 20.9767, 1.6418

Square

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



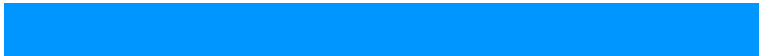
41.2419, 20.9767, 47.7742



27.3822, 20.9767, 0.6853



7.6245, 20.9767, 8.5646



13.9819, 20.9767, 109.3426

Rectangle

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



41.2419, 20.9767, 47.7742



40.0424, 20.9767, 6.3958



7.6245, 20.9767, 8.5646



8.0244, 20.9767, 55.6680

Sweetspot

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



41.2426, 20.9778, 47.7746



75.1797, 63.8489, 91.2109



17.2949, 8.0262, 74.0371



15.6368, 12.8547, 19.0695



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.



41.2426, 20.9778, 47.7746



51.5878, 25.3991, 56.4205



34.1989, 18.1603, 10.6831



14.8533, 14.5585, 17.4281



23.1744, 11.4040, 25.6111



1.7460, 0.8561, 2.0689

Inverse Universe

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



41.2426, 20.9778, 47.7746



51.5878, 25.3991, 56.4205



35.7738, 58.7647, 48.5821



14.8533, 14.5585, 17.4281



23.1744, 11.4040, 25.6111



1.7460, 0.8561, 2.0689

Previews

White Background



This preview shows how the XYZ color 41.2419, 20.9767, 47.7742 looks on a white background.

Color Contrast Check

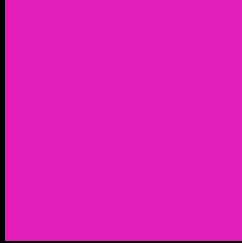
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.2419, 20.9767, 47.7742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

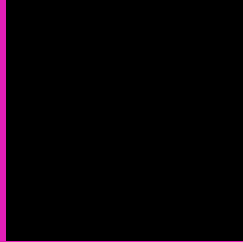
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.2419, 20.9767, 47.7742

Background



This preview shows how black text looks on a background with the XYZ color 41.2419, 20.9767, 47.7742.



This preview shows how white text looks on a background with the XYZ color 41.2419, 20.9767,

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

41.2419, 20.9767, 47.7742

Protanopia

25.8605, 21.7610, 97.4450

Deuteranopia

21.7836, 21.2339, 42.9948



Tritanopia

33.3525, 20.9619, 10.0728

Trichromacy



Original Color

41.2419, 20.9767, 47.7742



Protanomaly

23.8830, 16.0897, 76.7098



Deuteranomaly

25.2945, 17.6651, 44.1960



Tritanomaly

35.0698, 20.0932, 19.4828

Monochromacy



Original Color

41.2419, 20.9767, 47.7742



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

19.9317, 13.9205, 24.5581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2419, 20.9767, 47.7742 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(228, 31, 185)` looks like.

```
.text, #text, p{  
    color:rgb(228, 31, 185)  
}
```

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(228, 31, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 31, 185) }
```

Border

The CSS property to change the border of an element to XYZ 41.2419, 20.9767, 47.7742 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(228, 31, 185) }
```


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

```
.border{ border-color:rgb(228, 31, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 31, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 31, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 31, 185);  
box-shadow:4px 4px 4px 4px rgb(228, 31,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2419, 20.9767, 47.7742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 31, 185) }
```

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

```
.background{ background-color: rgb(228, 31,  
185) }
```

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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