

Converting Colors

XYZ(41.7141, 21.5124, 52.2577)

Have a look what the booklet for
XYZ(41.7141, 21.5124, 52.2577)
contains.

XYZ(41.7485, 21.5366, 52.4087)	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(41.7485, 21.5366,
52.4087)**

Conversions

Conversions Part 1

Format	Color
Hex	E228C1
RGB	226, 40, 193
RGB Percent	89%, 16%, 76%
CMY	0.1137, 0.8431, 0.2431
CMYK	0.00, 0.82, 0.15, 0.11
HSL	311°, 76%, 52%
HSV	311°, 82%, 89%
XYZ	41.7485, 21.5366, 52.4087
YIQ	113.0560, 61.7430, 87.0150

Conversions

Conversions Part 2

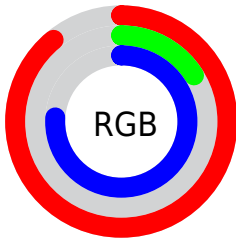
Format	Color
R _Y B	226, 40, 193
Decimal	14821569
CIE Lab	53.53, 80.37, -36.86
CIE LCh	54, 88.418, 335.364
Yxy	21.5366, 0.3609, 0.1862
Android (android.graphics.Color)	4293011649 (0xFFE228C1)
YUV	113.0560, 39.4124, 99.0519
Hunter-Lab	46.4075, 79.3665, -34.4718

Details

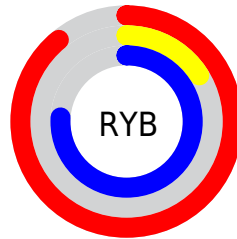
The XYZ color **41.7485, 21.5366, 52.4087** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **29.2753, 55.3258, 15.4418**, and the grayscale version is **15.5888, 16.4006, 17.8603**.

A 20% lighter version of the original color is **64.0712, 39.3140, 94.6539**, and **20.3861, 9.9711, 25.2762** is the 20% darker color. If you saturate the color by 10%, you get **40.7555, 20.2565, 49.9005**, and if you desaturate by 10%, it is **43.1998, 23.7130, 55.1298**.

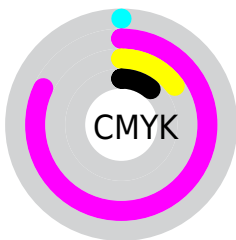
Distribution



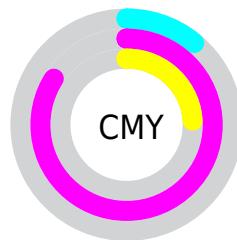
- Red (89%)
- Green (16%)
- Blue (76%)



- Red (89%)
- Yellow (16%)
- Blue (76%)



- Cyan (0%)
- Magenta (82%)
- Yellow (15%)
- Black (11%)





- Cyan (11%)
- Magenta (84%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7485, 21.5366, 52.4087 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 41.7485, 21.5366, 52.4087 by changing the saturation by 10% instead.


 41.7485, 21.5366,
52.4087


 41.7485, 21.5366,
52.4087

344.4487,
260.1166, 413.0142


 29.0947, 13.5168,
36.9465


 77.0864, 45.9789,
95.1664


 19.2971, 7.7854,
24.8706


 100.5012, 63.1702,
123.2990


 11.9904, 3.9579,
15.7625


 128.2336, 84.1874,
156.4921

 6.8093, 1.6501,
9.2037

 160.6491,
109.4150, 195.1642

 3.3884, 0.3910,
4.7757

 198.1130,
139.2373, 239.7339

 1.3623, 0.0000,
2.0598

240.9907,

 0.2291, 0.0000,

174.0388, 290.6198

0.5917

289.6475,
214.2037, 348.2404

■ 0.0000, 0.0000,
0.0000

■ 41.7485, 21.5366,
52.4087

■ 41.7485, 21.5366,
52.4087

■ 40.7555, 20.2565,
49.9005

■ 43.1998, 23.7130,
55.1298

■ 40.2167, 19.7098,
48.0837

■ 45.1747, 26.9176,
58.0856

■ 47.7304, 31.2641,
61.2958

■ 50.9158, 36.8500,
64.7771

■ 54.7745, 43.7627,
68.5446

■ 59.3464, 52.0814,
72.6118

■ 64.6680, 61.8794,
76.9915

■ 70.7734, 73.2245,
81.6955

■ 77.6946, 86.1807,
86.7347

Harmonies

Analogous

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



32.8478, 21.5366, 96.3123



41.7485, 21.5366, 52.4087



44.3242, 21.5366, 18.9257

Triad

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



41.7485, 21.5366, 52.4087



18.8224, 21.5366, 0.2982



8.9652, 21.5366, 68.1224

Complementary

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



41.7485, 21.5366, 52.4087



29.2753, 55.3258, 15.4418

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.



7.2117, 21.5366, 28.6426



41.7485, 21.5366, 52.4087



11.6728, 21.5366, 1.4845

Square

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



41.7485, 21.5366, 52.4087



28.9886, 21.5366, 0.8338



8.0234, 21.5366, 7.7895



13.8086, 21.5366, 109.2961

Rectangle

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



41.7485, 21.5366, 52.4087



41.5921, 21.5366, 7.5061



8.0234, 21.5366, 7.7895



8.0757, 21.5366, 53.4378

Sweetspot

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



41.7493, 21.5377, 52.4091



76.2072, 65.1435, 93.8976



17.0862, 8.3496, 72.6633



15.8539, 13.1104, 19.6920



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.



41.7493, 21.5377, 52.4091



52.9263, 25.9788, 63.3328



34.5223, 18.6469, 14.3525



14.1852, 13.8917, 16.7454



22.9833, 11.2603, 27.6413



1.6208, 0.7916, 2.0618

Inverse Universe

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



41.7493, 21.5377, 52.4091



52.9263, 25.9788, 63.3328



34.7735, 57.5251, 44.3951



14.1852, 13.8917, 16.7454



22.9833, 11.2603, 27.6413



1.6208, 0.7916, 2.0618

Previews

White Background



This preview shows how the XYZ color 41.7485, 21.5366, 52.4087 looks on a white background.

Color Contrast Check

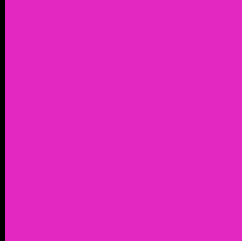
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7485, 21.5366, 52.4087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

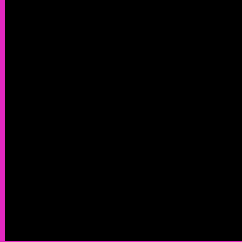
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.7485, 21.5366, 52.4087

Background



This preview shows how black text looks on a background with the XYZ color 41.7485, 21.5366, 52.4087.



This preview shows how white text looks on a background with the XYZ color 41.7485, 21.5366,

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

41.7485, 21.5366, 52.4087

Protanopia

26.2539, 22.1489, 97.4992

Deuteranopia

22.3395, 21.8074, 47.2878



Tritanopia

33.1736, 21.4900, 11.6321

Trichromacy



Original Color

41.7485, 21.5366, 52.4087



Protanomaly

24.9102, 16.9699, 78.3065



Deuteranomaly

25.9040, 18.4050, 48.6416



Tritanomaly

35.2883, 20.7363, 21.8813

Monochromacy



Original Color

41.7485, 21.5366, 52.4087



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

21.5367, 15.4786, 27.4437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7485, 21.5366, 52.4087 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(226, 40, 193)` looks like.

```
.text, #text, p{  
    color:rgb(226, 40, 193)  
}
```

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(226, 40, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 40, 193) }
```

Border

The CSS property to change the border of an element to XYZ 41.7485, 21.5366, 52.4087 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(226, 40, 193) }
```


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

```
.border{ border-color:rgb(226, 40, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 40, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 40, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 40, 193);  
box-shadow:4px 4px 4px 4px rgb(226, 40,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7485, 21.5366, 52.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 40, 193) }
```

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

```
.background{ background-color: rgb(226, 40,  
193) }
```

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