

Converting Colors

XYZ(42.5185, 20.7586, 54.4192)

Have a look what the booklet for
XYZ(42.5185, 20.7586, 54.4192)
contains.

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Color

**XYZ(42.7112, 20.8542,
54.5975)**

Conversions

Conversions Part 1

Format	Color
Hex	E600C5
RGB	230, 0, 197
RGB Percent	90%, 0%, 77%
CMY	0.0980, 0.9998, 0.2274
CMYK	0.00, 1.00, 0.14, 0.10
HSL	309°, 100%, 45%
HSV	309°, 100%, 90%
XYZ	42.7112, 20.8542, 54.5975
YIQ	91.2280, 73.8430, 110.0270

Conversions

Conversions Part 2

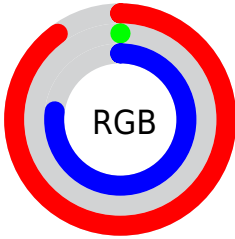
Format	Color
R_{YB}	230, 0, 197
Decimal	15073477
CIE _{Lab}	52.79, 86.47, -40.29
CIE _{LCh}	53, 95.394, 335.018
Yxy	20.8542, 0.3615, 0.1765
Android (android.graphics.Color)	4293263557 (0xFFE600C5)
YUV	91.2280, 52.1456, 121.7030
Hunter-Lab	45.6664, 87.0326, -38.9190

Details

The XYZ color **42.7112, 20.8542, 54.5975** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **28.5727, 56.7044, 10.8810**, and the grayscale version is **9.8744, 10.3887, 11.3133**.

A 20% lighter version of the original color is **63.4971, 37.1511, 97.5901**, and **21.3201, 10.4182, 26.8738** is the 20% darker color. If you saturate the color by 10%, you get **42.7109, 20.8541, 54.5942**, and if you desaturate by 10%, it is **43.4012, 21.6218, 56.7142**.

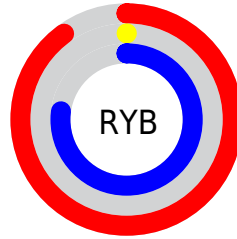
Distribution



Red (90%)

Green (0%)

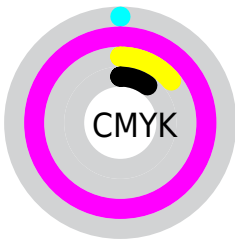
Blue (77%)



Red (90%)

Yellow (0%)

Blue (77%)

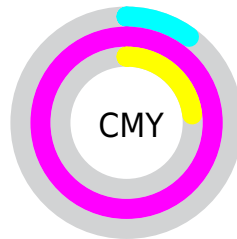


Cyan (0%)

Magenta (100%)

Yellow (14%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7112, 20.8542, 54.5975 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 42.7112, 20.8542, 54.5975 by changing the saturation by 10% instead.

 42.7112, 20.8542,
54.5975


 42.7112, 20.8542,
54.5975


348.3644,
256.5026, 421.6232

 29.8521, 13.0175,
38.6831


 78.5333, 44.8448,
98.4162


 19.8739, 7.4406,
26.2074


 102.2270, 61.7674,
127.1576

 12.4111, 3.7391,
16.7517


 130.2630, 82.4874,
161.0118

 7.0985, 1.5287,
9.8975

 163.0066,
107.3892, 200.3973

 3.5707, 0.3088,
5.2264

 200.8232,
136.8573, 245.7327

 1.4622, 0.0000,
2.3196

 244.0782,

 0.2999, 0.0000,

171.2759, 297.4364

0.7422

293.1368,
211.0296, 355.9271

■ 0.0000, 0.0000,
0.0000

■ 42.7112, 20.8542,
54.5975

■ 42.7112, 20.8542,
54.5975

■ 42.7109, 20.8541,
54.5942

■ 43.4012, 21.6218,
56.7142

■ 44.4634, 23.1208,
58.9959

■ 46.0146, 25.5846,
61.4820

■ 48.1223, 29.1478,
64.1952

■ 50.8431, 33.9236,
67.1546

■ 54.2267, 40.0114,
70.3771

■ 58.3176, 47.5001,
73.8777

■ 63.1565, 56.4708,
77.6702

■ 68.7808, 66.9986,
81.7674

Harmonies

Analogous

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



32.9507, 20.8542, 103.6265



42.7112, 20.8542, 54.5975



45.6396, 20.8542, 18.2439

Triad

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



42.7112, 20.8542, 54.5975



18.1947, 20.8542, 0.0000



7.9191, 20.8542, 70.8901

Complementary

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



42.7112, 20.8542, 54.5975



28.5727, 56.7044, 10.8810

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.



6.2189, 20.8542, 27.8437



42.7112, 20.8542, 54.5975



10.7453, 20.8542, 0.9012

Square

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



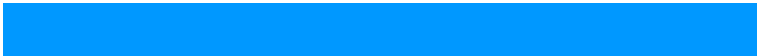
42.7112, 20.8542, 54.5975



29.0488, 20.8542, 0.3179



7.0456, 20.8542, 6.5371



12.7896, 20.8542, 117.3780

Rectangle

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



42.7112, 20.8542, 54.5975



42.7029, 20.8542, 6.5238



7.0456, 20.8542, 6.5371



7.0481, 20.8542, 54.6521

Sweetspot

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



42.7120, 20.8553, 54.5979



73.5925, 59.8331, 93.2756



14.8396, 6.0008, 75.2397



15.2601, 11.9033, 19.5545



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.



42.7120, 20.8553, 54.5979



53.9481, 26.3433, 68.8501



34.2482, 17.4698, 10.0284



14.9015, 14.5778, 17.6817



24.2153, 11.8203, 31.0922



1.8139, 0.8833, 2.4265

Inverse Universe

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



42.7120, 20.8553, 54.5979



53.9481, 26.3433, 68.8501



33.4612, 58.6599, 36.6235



14.9015, 14.5778, 17.6817



24.2153, 11.8203, 31.0922



1.8139, 0.8833, 2.4265

Previews

White Background



This preview shows how the XYZ color 42.7112, 20.8542, 54.5975 looks on a white background.

Color Contrast Check

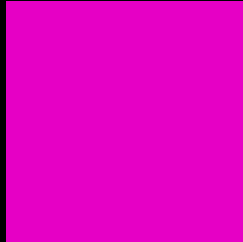
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.7112, 20.8542, 54.5975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

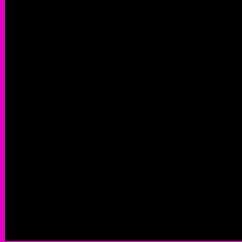
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.7112, 20.8542, 54.5975

Background



This preview shows how black text looks on a background with the XYZ color 42.7112, 20.8542, 54.5975.



This preview shows how white text looks on a background with the XYZ color 42.7112, 20.8542,

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

42.7112, 20.8542, 54.5975

Protanopia

25.8959, 21.7792, 97.4467

Deuteranopia

21.9267, 21.3675, 48.8676



Tritanopia

33.7626, 21.2736, 10.3094

Trichromacy



Original Color

42.7112, 20.8542, 54.5975



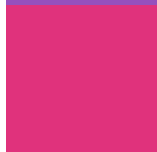
Protanomaly

23.6391, 14.5151, 79.3977



Deuteranomaly

24.6316, 15.8955, 49.9140



Tritanomaly

35.5192, 19.5837, 20.9768

Monochromacy



Original Color

42.7112, 20.8542, 54.5975



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.6976, 10.3886, 22.2442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7112, 20.8542, 54.5975 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(230, 0, 197)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 197)  
}
```

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(230, 0, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 197) }
```

Border

The CSS property to change the border of an element to XYZ 42.7112, 20.8542, 54.5975 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(230, 0, 197) }
```


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

```
.border{ border-color:rgb(230, 0, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 0, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 197);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7112, 20.8542, 54.5975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 197) }
```

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

```
.background{ background-color: rgb(230, 0,  
197) }
```

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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