

Converting Colors

XYZ(41.2651, 20.7460, 25.7371)

Have a look what the booklet for
XYZ(41.2651, 20.7460, 25.7371)
contains.

XYZ(41.2054, 20.7122, 25.8708)	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(41.2054, 20.7122,
25.8708)**

Conversions

Conversions Part 1

Format	Color
Hex	F2008A
RGB	242, 0, 138
RGB Percent	95%, 0%, 54%
CMY	0.0510, 0.9998, 0.4588
CMYK	0.00, 1.00, 0.43, 0.05
HSL	326°, 100%, 47%
HSV	326°, 100%, 95%
XYZ	41.2054, 20.7122, 25.8708
YIQ	88.0900, 99.9340, 94.2220

Conversions

Conversions Part 2

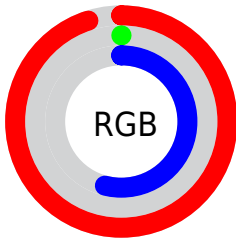
Format	Color
R_{YB}	242, 0, 138
Decimal	15859850
CIE _{Lab}	52.63, 82.59, -5.54
CIE _{LCh}	53, 82.775, 356.162
Yxy	20.7122, 0.4694, 0.2359
Android (android.graphics.Color)	4294049930 (0xFFFF2008A)
YUV	88.0900, 24.6056, 134.9791
Hunter-Lab	45.5107, 81.9704, -1.8463

Details

The XYZ color **41.2054, 20.7122, 25.8708** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **34.2543, 64.5052, 23.7567**, and the grayscale version is **9.2348, 9.7157, 10.5804**.

A 20% lighter version of the original color is **54.9187, 33.5710, 52.8755**, and **20.3519, 10.2883, 10.1457** is the 20% darker color. If you saturate the color by 10%, you get **41.2037, 20.7115, 25.8619**, and if you desaturate by 10%, it is **42.3271, 21.6920, 30.1404**.

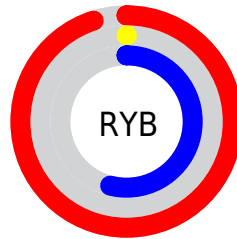
Distribution



Red (95%)

Green (0%)

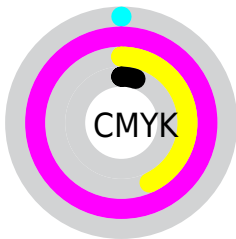
Blue (54%)



Red (95%)

Yellow (0%)

Blue (54%)

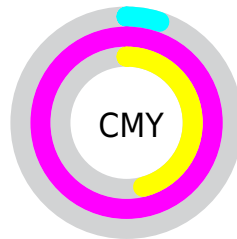


Cyan (0%)

Magenta (100%)

Yellow (43%)

Black (5%)



Cyan (5%)


Magenta (100%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2054, 20.7122, 25.8708 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 41.2054, 20.7122, 25.8708 by changing the saturation by 10% instead.


 41.2054, 20.7122,
25.8708


 41.2054, 20.7122,
25.8708

342.2263,
255.7450, 295.7325


 28.6680, 12.9138,
16.5021


 76.2683, 44.6081,
54.0480


 18.9728, 7.3692,
9.7220


 99.5246, 61.4743,
73.6935


 11.7545, 3.6941,
5.1118


 127.0845, 82.1320,
97.6018

 6.6478, 1.5039,
2.2531

 159.3134,
106.9654, 126.1913

 3.2872, 0.2915,
0.7048

 196.5767,
136.3590, 159.8806

 1.3074, 0.0000,
0.0000

 239.2397,

 0.1887, 0.0000,

170.6972, 199.0882

0.0000

287.6678,
210.3644, 244.2327

■ 0.0000, 0.0000,
0.0000

■ 41.2054, 20.7122,
25.8708

■ 41.2054, 20.7122,
25.8708

■ 41.2037, 20.7115,
25.8619

■ 42.3271, 21.6920,
30.1404

■ 43.9347, 23.5250,
34.9373

■ 46.1588, 26.4695,
40.3145

■ 49.0777, 30.6792,
46.3068

■ 52.7575, 36.2836,
52.9448

■ 57.2561, 43.3956,
60.2562

■ 62.6256, 52.1167,
68.2663

■ 68.9133, 62.5395,
76.9988

■ 76.1635, 74.7495,
86.4760

Harmonies

Analogous

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



36.8491, 20.7122, 60.5036



41.2054, 20.7122, 25.8708



38.5549, 20.7122, 7.4597

Triad

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



41.2054, 20.7122, 25.8708



13.2623, 20.7122, 1.1624



11.8437, 20.7122, 89.1244

Complementary

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



41.2054, 20.7122, 25.8708



34.2543, 64.5052, 23.7567

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.



8.2674, 20.7122, 50.5154



41.2054, 20.7122, 25.8708



8.9034, 20.7122, 5.1310

Square

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



41.2054, 20.7122, 25.8708



20.8134, 20.7122, 0.5703



7.3732, 20.7122, 19.5300



18.6007, 20.7122, 110.3953

Rectangle

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



41.2054, 20.7122, 25.8708



33.4933, 20.7122, 2.7427



7.3732, 20.7122, 19.5300



10.3156, 20.7122, 76.8081

Sweetspot

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



41.2060, 20.7134, 25.8711



70.4605, 58.5803, 76.7826



21.3794, 9.1709, 84.6477



14.5088, 11.6028, 15.5981



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.



41.2060, 20.7134, 25.8711



46.3809, 23.3163, 29.0014



36.7467, 18.9297, 2.3890



16.1504, 15.9099, 18.3485



22.2048, 11.1544, 14.2611



1.8970, 0.9478, 1.4484

Inverse Universe

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



41.2060, 20.7134, 25.8711



46.3809, 23.3163, 29.0014



44.9159, 68.7698, 79.8999



16.1504, 15.9099, 18.3485



22.2048, 11.1544, 14.2611



1.8970, 0.9478, 1.4484

Previews

White Background



This preview shows how the XYZ color 41.2054, 20.7122, 25.8708 looks on a white background.

Color Contrast Check

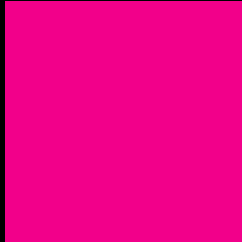
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.2054, 20.7122, 25.8708 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 41.2054, 20.7122, 25.8708

Background



This preview shows how black text looks on a background with the XYZ color 41.2054, 20.7122, 25.8708.



This preview shows how white text looks on a background with the XYZ color 41.2054, 20.7122,

25.8708.

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

41.2054, 20.7122, 25.8708

Protanopia

22.7822, 21.4538, 56.3663

Deuteranopia

21.6267, 21.2134, 23.3768



Tritanopia

37.3399, 21.1950, 5.8644

Trichromacy



Original Color

41.2054, 20.7122, 25.8708



Protanomaly

23.6540, 15.5473, 42.8285



Deuteranomaly

24.7937, 16.3448, 23.6779



Tritanomaly

37.8773, 20.2247, 10.7115

Monochromacy



Original Color

41.2054, 20.7122, 25.8708



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.5173, 9.7982, 14.7091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2054, 20.7122, 25.8708 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 138) }
```

Border

The CSS property to change the border of an element to XYZ 41.2054, 20.7122, 25.8708 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, 138) }
```


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

```
.border{ border-color:rgb(242, 0, 138) }
```

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, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 138);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2054, 20.7122, 25.8708 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, 138) }
```

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

```
.background{ background-color: rgb(242, 0,  
138) }
```

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