

Converting Colors

XYZ(38.6250, 20.6086, 25.5776)

Have a look what the booklet for
XYZ(38.6250, 20.6086, 25.5776)
contains.

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Color

**XYZ(38.6220, 20.6179,
25.6110)**

Conversions

Conversions Part 1

Format	Color
Hex	E82A89
RGB	232, 42, 137
RGB Percent	91%, 16%, 54%
CMY	0.0902, 0.8352, 0.4627
CMYK	0.00, 0.82, 0.41, 0.09
HSL	330°, 81%, 54%
HSV	330°, 82%, 91%
XYZ	38.6220, 20.6179, 25.6110
YIQ	109.6400, 82.7450, 69.8250

Conversions

Conversions Part 2

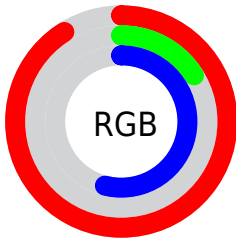
Format	Color
R_{YB}	232, 42, 137
Decimal	15215241
CIE _{Lab}	52.53, 74.96, -5.30
CIE _{LCh}	53, 75.146, 355.952
Yxy	20.6179, 0.4552, 0.2430
Android (android.graphics.Color)	4293405321 (0xFFE82A89)
YUV	109.6400, 13.4885, 107.3097
Hunter-Lab	45.4069, 72.3655, -1.6566

Details

The XYZ color **38.6220, 20.6179, 25.6110** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **34.3286, 60.0123, 33.4474**, and the grayscale version is **14.6665, 15.4303, 16.8036**.

A 20% lighter version of the original color is **56.1102, 36.1296, 52.7316**, and **18.5149, 9.3460, 9.8449** is the 20% darker color. If you saturate the color by 10%, you get **37.2357, 19.1062, 21.2615**, and if you desaturate by 10%, it is **40.5744, 23.1186, 30.5910**.

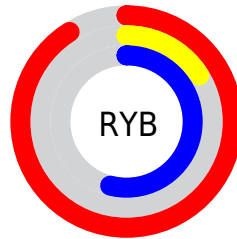
Distribution



Red (91%)

Green (16%)

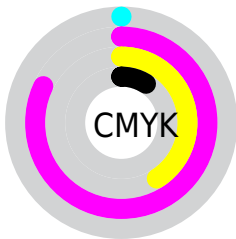
Blue (54%)



Red (91%)

Yellow (16%)

Blue (54%)

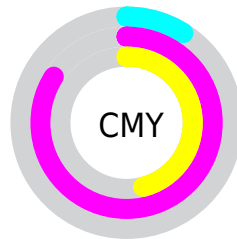


Cyan (0%)

Magenta (82%)

Yellow (41%)

Black (9%)



Cyan (9%)


Magenta (84%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6220, 20.6179, 25.6110 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 38.6220, 20.6179, 25.6110 by changing the saturation by 10% instead.

 38.6220, 20.6179,
25.6110


 38.6220, 20.6179,
25.6110

331.5156,
255.2408, 294.4117


 26.6452, 12.8450,
16.3097


 72.3583, 44.4507,
53.6231


 17.4421, 7.3219,
9.5868


 94.8485, 61.2795,
73.1709


 10.6475, 3.6642,
5.0239


 121.5738, 81.8956,
96.9714

 5.8959, 1.4876,
2.2023

 152.8997,
106.6835, 125.4430

 2.8219, 0.2799,
0.6757

 189.1915,
136.0275, 159.0043

 1.0603, 0.0000,
0.0000

230.8145,

 0.0000, 0.0000,

170.3122, 198.0738

0.0000

278.1341,
209.9218, 243.0701

■ 38.6220, 20.6179,
25.6110

■ 38.6220, 20.6179,
25.6110

■ 37.2357, 19.1062,
21.2615

■ 40.5744, 23.1186,
30.5910


■ 36.4304, 18.4165,
18.1546


■ 43.1656, 26.7491,
36.2386

■ 46.4582, 31.6308,
42.5875


■ 50.5065, 37.8685,
49.6681

■ 55.3593, 45.5557,
57.5083

 61.0611, 54.7776,
66.1343

 67.6528, 65.6129,
75.5708

 75.1728, 78.1345,
85.8412

 83.6571, 92.4112,
96.9678

Harmonies

Analogous

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



34.7848, 20.6179, 55.9852



38.6220, 20.6179, 25.6110



36.3557, 20.6179, 8.4377

Triad

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



38.6220, 20.6179, 25.6110



13.7532, 20.6179, 1.7617



12.3589, 20.6179, 79.9283

Complementary

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



38.6220, 20.6179, 25.6110



34.3286, 60.0123, 33.4474

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.



8.9902, 20.6179, 46.8955



38.6220, 20.6179, 25.6110



9.6330, 20.6179, 5.9934

Square

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



38.6220, 20.6179, 25.6110



20.6716, 20.6179, 1.0969



8.1434, 20.6179, 19.5593



18.5597, 20.6179, 98.0158

Rectangle

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



38.6220, 20.6179, 25.6110



31.9430, 20.6179, 3.5915



8.1434, 20.6179, 19.5593



10.9289, 20.6179, 69.4550

Sweetspot

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



38.6226, 20.6191, 25.6113



73.2612, 63.9651, 78.3837



25.7119, 12.8024, 77.4596



15.1470, 12.8276, 15.9694



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.



38.6226, 20.6191, 25.6113



45.3273, 22.9835, 23.1802



34.5254, 18.9802, 4.0360



14.6760, 14.4876, 16.4943



20.2884, 10.2496, 10.4137



1.5461, 0.7762, 1.0164

Inverse Universe

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



38.6226, 20.6191, 25.6113



45.3273, 22.9835, 23.1802



44.3775, 64.0318, 86.3641



14.6760, 14.4876, 16.4943



20.2884, 10.2496, 10.4137



1.5461, 0.7762, 1.0164

Previews

White Background



This preview shows how the XYZ color 38.6220, 20.6179, 25.6110 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 38.6220, 20.6179, 25.6110 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 38.6220, 20.6179, 25.6110

Background



This preview shows how black text looks on a background with the XYZ color 38.6220, 20.6179, 25.6110.



This preview shows how white text looks on a background with the XYZ color 38.6220, 20.6179,

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

38.6220, 20.6179, 25.6110

Protanopia

21.9937, 20.9892, 50.4691

Deuteranopia

21.1723, 20.7959, 23.3202



Tritanopia

34.9286, 20.6919, 7.6218

Trichromacy



Original Color

38.6220, 20.6179, 25.6110



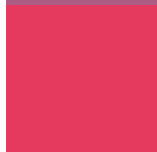
Protanomaly

23.9266, 17.4493, 39.6431



Deuteranomaly

25.0243, 18.2381, 23.6741



Tritanomaly

35.7520, 20.3746, 12.4043

Monochromacy



Original Color

38.6220, 20.6179, 25.6110



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

19.9651, 14.7231, 19.5589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6220, 20.6179, 25.6110 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(232, 42, 137)` looks like.

```
.text, #text, p{  
    color:rgb(232, 42, 137)  
}
```

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(232, 42, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 42, 137) }
```

Border

The CSS property to change the border of an element to XYZ 38.6220, 20.6179, 25.6110 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(232, 42, 137) }
```


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

```
.border{ border-color:rgb(232, 42, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 42, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 42, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 42, 137);  
box-shadow:4px 4px 4px 4px rgb(232, 42,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6220, 20.6179, 25.6110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 42, 137) }
```

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

```
.background{ background-color: rgb(232, 42,  
137) }
```

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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