

Converting Colors

XYZ(38.8330, 20.9055, 41.6672)

Have a look what the booklet for
XYZ(38.8330, 20.9055, 41.6672)
contains.

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Color

**XYZ(38.8509, 20.9144,
41.5244)**

Conversions

Conversions Part 1

Format	Color
Hex	DE33AD
RGB	222, 51, 173
RGB Percent	87%, 20%, 68%
CMY	0.1294, 0.8000, 0.3216
CMYK	0.00, 0.77, 0.22, 0.13
HSL	317°, 72%, 54%
HSV	317°, 77%, 87%
XYZ	38.8509, 20.9144, 41.5244
YIQ	116.0370, 62.7540, 74.1940

Conversions

Conversions Part 2

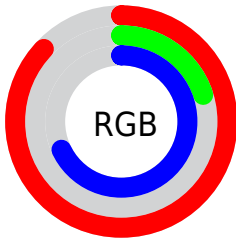
Format	Color
R_{YB}	222, 51, 173
Decimal	14562221
CIE _{Lab}	52.86, 74.28, -26.32
CIE _{LCh}	53, 78.805, 340.489
Yxy	20.9144, 0.3836, 0.2065
Android (android.graphics.Color)	4292752301 (0xFFDE33AD)
YUV	116.0370, 28.0828, 92.9296
Hunter-Lab	45.7323, 71.6095, -21.8221

Details

The XYZ color **38.8509, 20.9144, 41.5244** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **29.7881, 53.8673, 20.8869**, and the grayscale version is **16.5167, 17.3768, 18.9234**.

A 20% lighter version of the original color is **61.5136, 39.1786, 78.4488**, and **18.2905, 9.0374, 18.5497** is the 20% darker color. If you saturate the color by 10%, you get **37.5008, 19.1759, 38.1091**, and if you desaturate by 10%, it is **40.6942, 23.5920, 45.2491**.

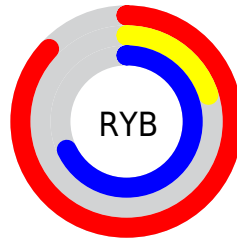
Distribution



Red (87%)

Green (20%)

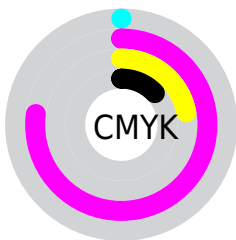
Blue (68%)



Red (87%)

Yellow (20%)

Blue (68%)

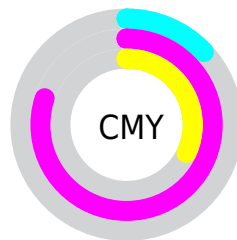


Cyan (0%)

Magenta (77%)

Yellow (22%)

Black (13%)



Cyan (13%)


Magenta (80%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8509, 20.9144, 41.5244 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 38.8509, 20.9144, 41.5244 by changing the saturation by 10% instead.

 38.8509, 20.9144,
41.5244

 38.8509, 20.9144,
41.5244

332.4743,
256.8232, 368.2489

 26.8240, 13.0614,
28.4063


 72.7060, 44.9450,
78.7416


 17.5770, 7.4709,
18.3904


 95.2649, 61.8915,
103.6778


 10.7445, 3.7583,
11.0583


 122.0652, 82.6379,
133.3904

 5.9613, 1.5393,
5.9914

 153.4721,
107.5687, 168.2980

 2.8620, 0.3161,
2.7712

 189.8512,
137.0682, 208.8191

 1.0812, 0.0000,
0.9790

231.5676,

 0.0093, 0.0000,

171.5209, 255.3723

0.0000

278.9869,
211.3111, 308.3760

■ 0.0000, 0.0000,
0.0000

■ 38.8509, 20.9144,
41.5244

■ 38.8509, 20.9144,
41.5244

■ 37.5008, 19.1759,
38.1091

■ 40.6942, 23.5920,
45.2491

■ 36.5656, 18.2210,
34.9746

■ 43.0874, 27.3219,
49.3035

■ 36.3289, 18.0115,
34.0823

■ 46.0811, 32.2048,
53.7065

■ 49.7198, 38.3287,
58.4750

■ 54.0432, 45.7730,
63.6239

■ 59.0883, 54.6104,
69.1674

■ 64.8888, 64.9084,
75.1185

■ 71.4767, 76.7299,
81.4896

■ 78.8819, 90.1342,
88.2924

Harmonies

Analogous

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



32.0344, 20.9144, 77.6035



38.8509, 20.9144, 41.5244



39.8674, 20.9144, 15.4741

Triad

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



38.8509, 20.9144, 41.5244



17.1330, 20.9144, 0.9538



10.1040, 20.9144, 66.7320

Complementary

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



38.8509, 20.9144, 41.5244



29.7881, 53.8673, 20.8869

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.



8.0198, 20.9144, 32.0657



38.8509, 20.9144, 41.5244



11.2678, 20.9144, 2.7646

Square

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



38.8509, 20.9144, 41.5244



25.6499, 20.9144, 1.1943



8.3770, 20.9144, 10.7359



15.0451, 20.9144, 97.8403

Rectangle

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



38.8509, 20.9144, 41.5244



36.8838, 20.9144, 6.6427



8.3770, 20.9144, 10.7359



9.1174, 20.9144, 54.4004

Sweetspot

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



38.8516, 20.9155, 41.5248



76.5199, 67.0823, 89.9526



19.5650, 10.3211, 70.0687



15.8637, 13.4609, 18.6749



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.



38.8516, 20.9155, 41.5248



50.5497, 25.3955, 49.6852



33.0726, 18.6039, 11.0931



14.1188, 13.8652, 16.3958



21.6287, 10.7185, 20.5084



1.5372, 0.7582, 1.6218

Inverse Universe

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



38.8516, 20.9155, 41.5248



50.5497, 25.3955, 49.6852



36.2392, 56.4478, 54.8584



14.1188, 13.8652, 16.3958



21.6287, 10.7185, 20.5084



1.5372, 0.7582, 1.6218

Previews

White Background



This preview shows how the XYZ color 38.8509, 20.9144, 41.5244 looks on a white background.

Color Contrast Check

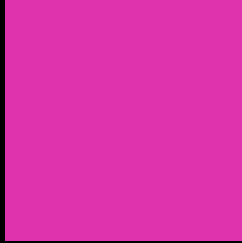
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.8509, 20.9144, 41.5244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

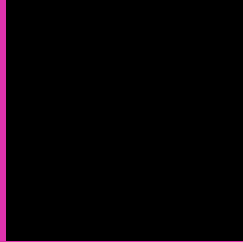
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.8509, 20.9144, 41.5244

Background



This preview shows how black text looks on a background with the XYZ color 38.8509, 20.9144, 41.5244.



This preview shows how white text looks on a background with the XYZ color 38.8509, 20.9144,

41.5244.

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

38.8509, 20.9144, 41.5244

Protanopia

24.2675, 21.3749, 77.7097

Deuteranopia

21.5642, 21.0527, 37.5774



Tritanopia

32.6465, 21.0038, 11.1376

Trichromacy



Original Color

38.8509, 20.9144, 41.5244



Protanomaly

24.6854, 17.7420, 62.4451



Deuteranomaly

25.1544, 18.5075, 38.8057



Tritanomaly

34.3736, 20.5937, 19.3028

Monochromacy



Original Color

38.8509, 20.9144, 41.5244



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

21.8601, 16.4290, 25.6859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8509, 20.9144, 41.5244 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(222, 51, 173)` looks like.

```
.text, #text, p{  
    color:rgb(222, 51, 173)  
}
```

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(222, 51, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 51, 173) }
```

Border

The CSS property to change the border of an element to XYZ 38.8509, 20.9144, 41.5244 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(222, 51, 173) }
```


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

```
.border{ border-color:rgb(222, 51, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 51, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 51, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 51, 173);  
box-shadow:4px 4px 4px 4px rgb(222, 51,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8509, 20.9144, 41.5244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 51, 173) }
```

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

```
.background{ background-color: rgb(222, 51,  
173) }
```

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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