

Converting Colors

XYZ(39.1705, 20.8978, 32.0439)

Have a look what the booklet for
XYZ(39.1705, 20.8978, 32.0439)
contains.

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Color

**XYZ(39.3213, 20.9997,
32.1179)**

Conversions

Conversions Part 1

Format	Color
Hex	E62D99
RGB	230, 45, 153
RGB Percent	90%, 18%, 60%
CMY	0.0980, 0.8235, 0.4000
CMYK	0.00, 0.80, 0.33, 0.10
HSL	325°, 79%, 54%
HSV	325°, 80%, 90%
XYZ	39.3213, 20.9997, 32.1179
YIQ	112.6270, 75.5920, 72.8080

Conversions

Conversions Part 2

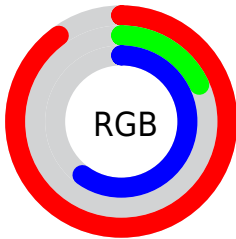
Format	Color
R _Y B	230, 45, 153
Decimal	15084953
CIE Lab	52.95, 75.37, -14.26
CIE LCh	53, 76.705, 349.288
Yxy	20.9997, 0.4254, 0.2272
Android (android.graphics.Color)	4293275033 (0xFFE62D99)
YUV	112.6270, 19.9039, 102.9361
Hunter-Lab	45.8254, 72.9705, -9.4771

Details

The XYZ color **39.3213, 20.9997, 32.1179** 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 **32.8935, 58.5574, 27.9862**, and the grayscale version is **15.5152, 16.3232, 17.7760**.

A 20% lighter version of the original color is **58.2967, 37.3533, 63.1688**, and **18.7605, 9.3943, 13.3949** is the 20% darker color. If you saturate the color by 10%, you get **37.9107, 19.3935, 27.9016**, and if you desaturate by 10%, it is **41.2739, 23.5882, 36.8282**.

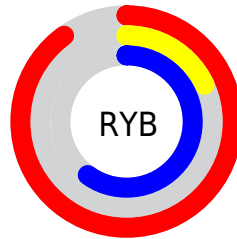
Distribution



Red (90%)

Green (18%)

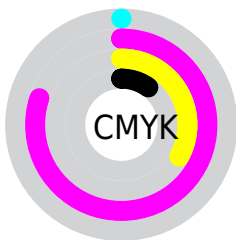
Blue (60%)



Red (90%)

Yellow (18%)

Blue (60%)

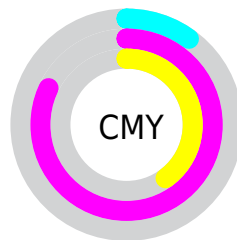


Cyan (0%)

Magenta (80%)

Yellow (33%)

Black (10%)



Cyan (10%)


Magenta (82%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3213, 20.9997, 32.1179 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 39.3213, 20.9997, 32.1179 by changing the saturation by 10% instead.

 39.3213, 20.9997,
32.1179


 39.3213, 20.9997,
32.1179


334.4383,
257.2769, 326.1652


 27.1916, 13.1238,
21.1860


 73.4198, 45.0870,
64.0959

 17.8545, 7.5138,
13.0675


 96.1194, 62.0672,
85.9791


 10.9446, 3.7855,
7.3437

 123.0730, 82.8510,
112.3499

 6.0966, 1.5543,
3.5963

 154.6459,
107.8227, 143.6267

 2.9452, 0.3265,
1.4066

 191.2035,
137.3668, 180.2281

 1.1248, 0.0000,
0.1469

233.1112,

 0.0457, 0.0000,

171.8675, 222.5726

0.0000

280.7344,
211.7095, 271.0788

■ 0.0000, 0.0000,
0.0000

■ 39.3213, 20.9997,
32.1179

■ 39.3213, 20.9997,
32.1179

■ 37.9107, 19.3935,
27.9016

■ 41.2739, 23.5882,
36.8282


■ 36.9546, 18.5516,
24.2837


■ 43.8361, 27.2920,
42.0617


■ 47.0669, 32.2269,
47.8450


■ 51.0175, 38.4932,
54.2018

■ 55.7338, 46.1807,
61.1538

 61.2579, 55.3714,
68.7214

 67.6285, 66.1411,
76.9236

 74.8821, 78.5602,
85.7784

 83.0525, 92.6950,
95.3029

Harmonies

Analogous

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



34.1154, 20.9997, 65.5888



39.3213, 20.9997, 32.1179



38.3887, 20.9997, 11.1397

Triad

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



39.3213, 20.9997, 32.1179



15.2775, 20.9997, 1.3665



11.4810, 20.9997, 75.4986

Complementary

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



39.3213, 20.9997, 32.1179



32.8935, 58.5574, 27.9862

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.



8.6375, 20.9997, 40.8227



39.3213, 20.9997, 32.1179



10.3874, 20.9997, 4.4414

Square

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



39.3213, 20.9997, 32.1179



22.9721, 20.9997, 1.1210



8.2998, 20.9997, 15.5856



17.2227, 20.9997, 99.7535

Rectangle

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



39.3213, 20.9997, 32.1179



34.4694, 20.9997, 4.7300



8.2998, 20.9997, 15.5856



10.2285, 20.9997, 63.9026

Sweetspot

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



39.3219, 21.0009, 32.1183



74.7037, 65.4412, 83.2082



22.8309, 11.5137, 75.8820



15.4584, 13.1240, 17.0796



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.



39.3219, 21.0009, 32.1183



46.9939, 23.6944, 31.8200



34.4837, 19.0656, 6.6407



14.7281, 14.5084, 16.7685



20.9839, 10.5278, 14.0760



1.5967, 0.7964, 1.2826

Inverse Universe

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



39.3219, 21.0009, 32.1183



46.9939, 23.6944, 31.8200



41.2006, 61.8803, 71.7308



14.7281, 14.5084, 16.7685



20.9839, 10.5278, 14.0760



1.5967, 0.7964, 1.2826

Previews

White Background



This preview shows how the XYZ color 39.3213, 20.9997, 32.1179 looks on a white background.

Color Contrast Check

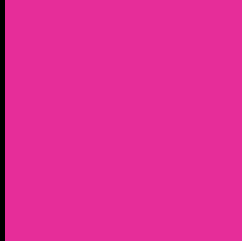
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.3213, 20.9997, 32.1179 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 39.3213, 20.9997, 32.1179

Background



This preview shows how black text looks on a background with the XYZ color 39.3213, 20.9997, 32.1179.



This preview shows how white text looks on a background with the XYZ color 39.3213, 20.9997,

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

39.3213, 20.9997, 32.1179

Protanopia

23.2089, 21.3491, 62.5720

Deuteranopia

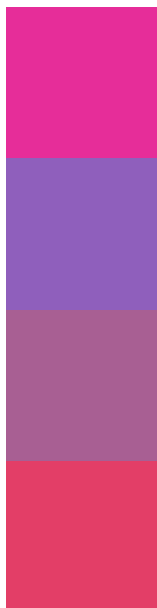
21.6813, 21.3040, 28.9560



Tritanopia

34.5746, 21.0220, 8.8920

Trichromacy



Original Color

39.3213, 20.9997, 32.1179

Protanomaly

24.4970, 17.6549, 49.6936

Deuteranomaly

25.5071, 18.6158, 29.8526

Tritanomaly

35.8494, 20.7554, 14.9487

Monochromacy



Original Color

39.3213, 20.9997, 32.1179

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

21.0963, 15.6059, 22.3224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3213, 20.9997, 32.1179 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, 45, 153)` looks like.

```
.text, #text, p{  
    color:rgb(230, 45, 153)  
}
```

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, 45, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 45, 153) }
```

Border

The CSS property to change the border of an element to XYZ 39.3213, 20.9997, 32.1179 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, 45, 153) }
```


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

```
.border{ border-color:rgb(230, 45, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 45, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 45, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 45, 153);  
box-shadow:4px 4px 4px 4px rgb(230, 45,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3213, 20.9997, 32.1179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 45, 153) }
```

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

```
.background{ background-color: rgb(230, 45,  
153) }
```

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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