

Converting Colors

XYZ(39.3469, 20.2605, 2.9066)

Have a look what the booklet for
XYZ(39.3469, 20.2605, 2.9066)
contains.

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Color

**XYZ(39.2765, 20.2236,
2.9320)**

Conversions

Conversions Part 1

Format	Color
Hex	F9001C
RGB	249, 0, 28
RGB Percent	98%, 0%, 11%
CMY	0.0235, 0.9997, 0.8902
CMYK	0.00, 1.00, 0.89, 0.02
HSL	353°, 100%, 49%
HSV	353°, 100%, 98%
XYZ	39.2765, 20.2236, 2.9320
YIQ	77.6430, 139.4160, 61.4960

Conversions

Conversions Part 2

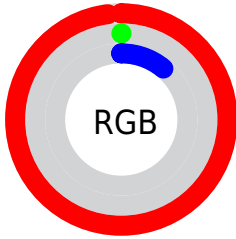
Format	Color
RYB	249, 0, 28
Decimal	16318492
CIELab	52.09, 78.93, 57.45
CIElCh	52, 97.626, 36.047
Yxy	20.2236, 0.6291, 0.3239
Android (android.graphics.Color)	4294508572 (0xFFFF9001C)
YUV	77.6430, -24.4740, 150.2801
Hunter-Lab	44.9707, 77.1998, 27.6139

Details

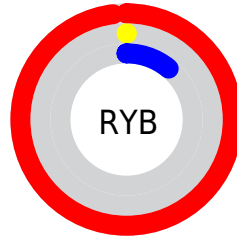
The XYZ color **39.2765, 20.2236, 2.9320** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **46.9365, 72.9753, 80.0664**, and the grayscale version is **7.2076, 7.5829, 8.2578**.

A 20% lighter version of the original color is **46.6367, 29.9662, 10.1635**, and **19.2914, 9.9451, 0.9028** is the 20% darker color. If you saturate the color by 10%, you get **39.2754, 20.2231, 2.9281**, and if you desaturate by 10%, it is **39.9916, 21.0647, 4.9877**.

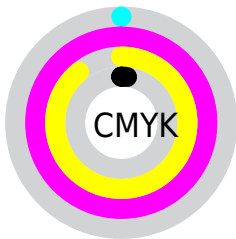
Distribution



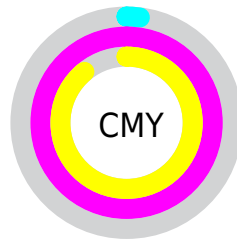
- Red (98%)
- Green (0%)
- Blue (11%)



- Red (98%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (89%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2765, 20.2236, 2.9320 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 39.2765, 20.2236, 2.9320 by changing the saturation by 10% instead.


 39.2765, 20.2236,
2.9320


 39.2765, 20.2236,
2.9320


334.2516,
253.1230, 135.4898

 27.1566, 12.5577,
1.0600


 73.3519, 43.7917,
11.4602

 17.8281, 7.1247,
0.0000


 96.0381, 60.4628,
18.9535

 10.9255, 3.5402,
0.0000


 122.9771, 80.9043,
29.1576

 6.0837, 1.4198,
0.0000

 154.5342,
105.5007, 42.4911

 2.9372, 0.2313,
0.0000

 191.0749,
134.6364, 59.3725


 1.1206, 0.0000,
0.0000

 232.9645,


 0.0423, 0.0000,


168.6957, 80.2204


0.0000


 280.5682,
208.0631, 105.4533


 0.0000, 0.0000,
0.0000

 39.2765, 20.2236,
2.9320


 39.2765, 20.2236,
2.9320


 39.2754, 20.2231,
2.9281

 39.9916, 21.0647,
4.9877

 41.3782, 22.8802,
8.4027

 43.6017, 25.9543,
13.3763

 46.7692, 30.4614,
20.0673

 50.9717, 36.5482,
28.6145

■ 56.2893, 44.3435,
39.1427

■ 62.7944, 53.9625,
51.7655

■ 70.5530, 65.5106,
66.5880

■ 79.6264, 79.0850,
83.7083

Harmonies

Analogous

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



45.3030, 20.2236, 16.7249



39.2765, 20.2236, 2.9320



28.1086, 20.2236, 0.0412

Triad

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



39.2765, 20.2236, 2.9320



6.4809, 20.2236, 6.3994



21.3143, 20.2236, 134.2824

Complementary

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



39.2765, 20.2236, 2.9320



46.9365, 72.9753, 80.0664

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.



12.4387, 20.2236, 120.0460



39.2765, 20.2236, 2.9320



5.7608, 20.2236, 28.3293

Square

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



39.2765, 20.2236, 2.9320



9.9995, 20.2236, 0.7603



7.5099, 20.2236, 72.7474



32.8633, 20.2236, 102.9969

Rectangle

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



39.2765, 20.2236, 2.9320



20.5748, 20.2236, 0.0000



7.5099, 20.2236, 72.7474



17.9297, 20.2236, 134.8674

Sweetspot

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



39.2769, 20.2249, 2.9323



66.2386, 56.8916, 54.5506



46.6017, 22.0500, 91.4216



13.5244, 11.2090, 10.4141



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.



39.2769, 20.2249, 2.9323



41.4570, 21.3468, 3.0727



43.2037, 28.4131, 3.2092



17.3238, 17.2569, 18.2948



21.0489, 10.8353, 1.6999



1.9744, 1.0135, 0.2887

Inverse Universe

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



39.2769, 20.2249, 2.9323



41.4570, 21.3468, 3.0727



28.5853, 29.8114, 93.8693



17.3238, 17.2569, 18.2948



21.0489, 10.8353, 1.6999



1.9744, 1.0135, 0.2887

Previews

White Background



This preview shows how the XYZ color 39.2765, 20.2236, 2.9320 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 39.2765, 20.2236, 2.9320 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 39.2765, 20.2236, 2.9320

Background



This preview shows how black text looks on a background with the XYZ color 39.2765, 20.2236, 2.9320.



This preview shows how white text looks on a background with the XYZ color 39.2765, 20.2236,

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

39.2765, 20.2236, 2.9320

Protanopia

18.8518, 20.7274, 6.0248

Deuteranopia

20.8949, 20.5646, 2.8681



Tritanopia

38.6642, 20.3869, 1.8972

Trichromacy



Original Color

39.2765, 20.2236, 2.9320

Protanomaly

22.1090, 15.6078, 4.0378

Deuteranomaly

24.3775, 16.3973, 2.1673

Tritanomaly

38.9370, 20.3200, 2.1571

Monochromacy



Original Color

39.2765, 20.2236, 2.9320

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.7714, 8.1829, 5.1813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2765, 20.2236, 2.9320 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(249, 0, 28)` looks like.

```
.text, #text, p{  
    color:rgb(249, 0, 28)  
}
```

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(249, 0, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 0, 28) }
```

Border

The CSS property to change the border of an element to XYZ 39.2765, 20.2236, 2.9320 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(249, 0, 28) }
```


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

```
.border{ border-color:rgb(249, 0, 28) }
```

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

Here you see how a box with a 4 pixel rgb(249, 0, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 0, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 0, 28);  
box-shadow:4px 4px 4px 4px rgb(249, 0, 28)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.2765, 20.2236, 2.9320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 0, 28) }
```

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

```
.background{ background-color: rgb(249, 0,  
28) }
```

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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