

Converting Colors

XYZ(39.9511, 21.3265, 4.3637)

Have a look what the booklet for
XYZ(39.9511, 21.3265, 4.3637)
contains.

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Color

**XYZ(40.0381, 21.3546,
4.3945)**

Conversions

Conversions Part 1

Format	Color
Hex	F9202C
RGB	249, 32, 44
RGB Percent	98%, 13%, 17%
CMY	0.0235, 0.8744, 0.8274
CMYK	0.00, 0.87, 0.82, 0.02
HSL	357°, 95%, 55%
HSV	357°, 87%, 98%
XYZ	40.0381, 21.3546, 4.3945
YIQ	98.2510, 125.4800, 49.7360

Conversions

Conversions Part 2

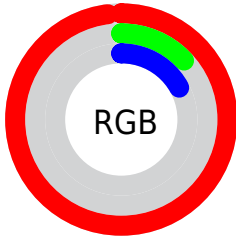
Format	Color
R_{YB}	249, 32, 44
Decimal	16326700
CIE Lab	53.34, 75.95, 50.94
CIE LCh	53, 91.454, 33.849
Yxy	21.3546, 0.6086, 0.3246
Android (android.graphics.Color)	4294516780 (0xFFFF9202C)
YUV	98.2510, -26.7457, 132.2069
Hunter-Lab	46.2110, 73.7864, 26.7095

Details

The XYZ color **40.0381, 21.3546, 4.3945** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **49.7618, 74.1744, 91.8347**, and the grayscale version is **11.7180, 12.3282, 13.4254**.

A 20% lighter version of the original color is **48.2233, 32.1359, 13.7864**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **39.2746, 20.3465, 2.5415**, and if you desaturate by 10%, it is **41.5552, 23.4702, 7.7334**.

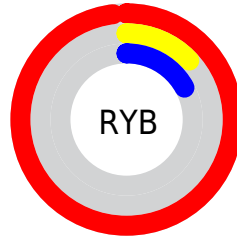
Distribution



Red (98%)

Green (13%)

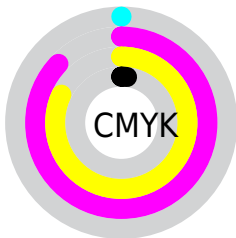
Blue (17%)



Red (98%)

Yellow (13%)

Blue (17%)

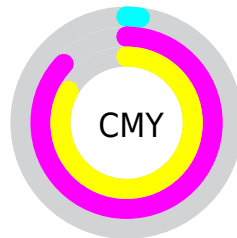


Cyan (0%)

Magenta (87%)

Yellow (82%)

Black (2%)



Cyan (2%)


Magenta (87%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0381, 21.3546, 4.3945 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 40.0381, 21.3546, 4.3945 by changing the saturation by 10% instead.

 40.0381, 21.3546,
4.3945


 40.0381, 21.3546,
4.3945


337.4158,
259.1570, 152.5142


 27.7526, 13.3834,
1.8442


 74.5055, 45.6769,
14.9098

 18.2787, 7.6931,
0.4569


 97.4181, 62.7969,
23.7119

 11.2512, 3.8992,
0.0000


 124.6038, 83.7353,
35.4350

 6.3046, 1.6173,
0.0000

 156.4279,
108.8765, 50.4976

 3.0736, 0.3693,
0.0000

 193.2558,
138.6049, 69.3183

 1.1928, 0.0000,
0.0000

 235.4528,

 0.1007, 0.0000,

173.3048, 92.3156

0.0000

283.3844,
213.3607, 119.9080

■ 0.0000, 0.0000,
0.0000

■ 40.0381, 21.3546,
4.3945

■ 40.0381, 21.3546,
4.3945

■ 39.2746, 20.3465,
2.5415

■ 41.5552, 23.4702,
7.7334


■ 39.1442, 20.1706,
2.2365


■ 43.9615, 26.9044,
12.7854


■ 47.3662, 31.8262,
19.7393

■ 51.8624, 38.3791,
28.7587

■ 57.5324, 46.6892,
39.9898

 64.4508, 56.8705,
53.5653

 72.6859, 69.0273,
69.6077

 82.3010, 83.2563,
88.2307

 92.8767, 98.8796,
108.7983

Harmonies

Analogous

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



45.1421, 21.3546, 19.8503



40.0381, 21.3546, 4.3945



29.6668, 21.3546, 0.6897

Triad

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



40.0381, 21.3546, 4.3945



7.7448, 21.3546, 6.7708



21.5735, 21.3546, 127.4769

Complementary

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



40.0381, 21.3546, 4.3945



49.7618, 74.1744, 91.8347

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.



13.1423, 21.3546, 111.5774



40.0381, 21.3546, 4.3945



6.8043, 21.3546, 27.0206

Square

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



40.0381, 21.3546, 4.3945



11.5867, 21.3546, 1.1273



8.4216, 21.3546, 67.4407



32.5452, 21.3546, 101.6938

Rectangle

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



40.0381, 21.3546, 4.3945



22.3597, 21.3546, 0.0720



8.4216, 21.3546, 67.4407



18.3651, 21.3546, 126.8967

Sweetspot

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



40.0386, 21.3559, 4.3948



68.9274, 61.3480, 58.2864



51.7235, 25.4570, 91.8096



14.1669, 12.2667, 11.3288



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.



40.0386, 21.3559, 4.3948



41.3198, 21.2919, 2.3500



46.7948, 35.1781, 5.6921



17.2834, 17.2407, 18.0823



20.9690, 10.8033, 1.2792



1.9553, 1.0059, 0.1881

Inverse Universe

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



40.0386, 21.3559, 4.3948



41.3198, 21.2919, 2.3500



29.4130, 30.5824, 93.9747



17.2834, 17.2407, 18.0823



20.9690, 10.8033, 1.2792



1.9553, 1.0059, 0.1881

Previews

White Background



This preview shows how the XYZ color 40.0381, 21.3546, 4.3945 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 40.0381, 21.3546, 4.3945 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 40.0381, 21.3546, 4.3945

Background



This preview shows how black text looks on a background with the XYZ color 40.0381, 21.3546, 4.3945.



This preview shows how white text looks on a background with the XYZ color 40.0381, 21.3546,

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

40.0381, 21.3546, 4.3945

Protanopia

19.7471, 21.5184, 8.5815

Deuteranopia

21.6707, 21.3060, 3.6798



Tritanopia

39.8733, 21.3775, 3.2530

Trichromacy



Original Color

40.0381, 21.3546, 4.3945

Protanomaly

23.5262, 17.8478, 6.3427

Deuteranomaly

25.7865, 18.5709, 3.3878

Tritanomaly

39.9142, 21.3488, 3.6071

Monochromacy



Original Color

40.0381, 21.3546, 4.3945

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

16.9608, 12.2199, 8.6725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0381, 21.3546, 4.3945 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, 32, 44)` looks like.

```
.text, #text, p{  
    color:rgb(249, 32, 44)  
}
```

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, 32, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 32, 44) }
```

Border

The CSS property to change the border of an element to XYZ 40.0381, 21.3546, 4.3945 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, 32, 44) }
```


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

```
.border{ border-color:rgb(249, 32, 44) }
```

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

Here you see how a box with a 4 pixel rgb(249, 32, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 32, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 32, 44);  
box-shadow:4px 4px 4px 4px rgb(249, 32,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0381, 21.3546, 4.3945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 32, 44) }
```

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

```
.background{ background-color: rgb(249, 32,  
44) }
```

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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