

Converting Colors

XYZ(41.6319, 21.4167, 3.9935)

Have a look what the booklet for
XYZ(41.6319, 21.4167, 3.9935)
contains.

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Color

**XYZ(41.6402, 21.4201,
4.0376)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0029
RGB	255, 0, 41
RGB Percent	100%, 0%, 16%
CMY	0.0000, 0.9997, 0.8392
CMYK	0.00, 1.00, 0.84, 0.00
HSL	350°, 100%, 50%
HSV	350°, 100%, 100%
XYZ	41.6402, 21.4201, 4.0376
YIQ	80.9190, 138.8190, 66.8110

Conversions

Conversions Part 2

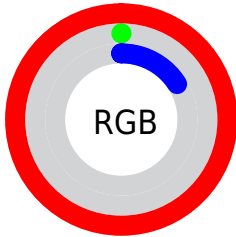
Format	Color
RYB	255, 0, 41
Decimal	16711721
CIELab	53.41, 80.58, 52.97
CIELCh	53, 96.435, 33.320
Yxy	21.4201, 0.6206, 0.3192
Android (android.graphics.Color)	4294901801 (0xFFFF0029)
YUV	80.9190, -19.6801, 152.6690
Hunter-Lab	46.2819, 79.6048, 27.2249

Details

The XYZ color **41.6402, 21.4201, 4.0376** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **47.9073, 76.3785, 75.8835**, and the grayscale version is **7.8313, 8.2392, 8.9724**.

A 20% lighter version of the original color is **47.2761, 30.5140, 12.6306**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.6388, 21.4195, 4.0320**, and if you desaturate by 10%, it is **42.4803, 22.3321, 6.6876**.

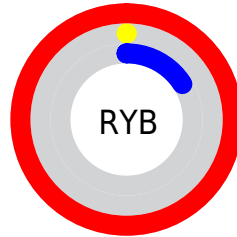
Distribution



Red (100%)

Green (0%)

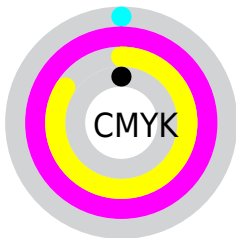
Blue (16%)



Red (100%)

Yellow (0%)

Blue (16%)

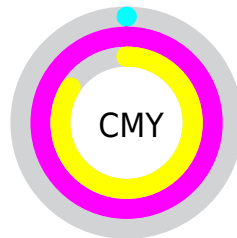


Cyan (0%)

Magenta (100%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6402, 21.4201, 4.0376 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 41.6402, 21.4201, 4.0376 by changing the saturation by 10% instead.


 41.6402, 21.4201,
4.0376


 41.6402, 21.4201,
4.0376

344.0063,
259.5027, 148.6424

 29.0095, 13.4314,
1.6460


 76.9234, 45.7857,
14.0964

 19.2324, 7.7263,
0.3233


 100.3066, 62.9313,
22.6006

 11.9433, 3.9203,
0.0000


 128.0047, 83.8981,
33.9795

 6.7770, 1.6291,
0.0000

 160.3831,
109.0704, 48.6516

 3.3681, 0.3771,
0.0000

 197.8071,
138.8327, 67.0354

 1.3513, 0.0000,
0.0000

 240.6421,

 0.2211, 0.0000,

173.5692, 89.5494

0.0000

289.2534,
213.6644, 116.6122

■ 0.0000, 0.0000,
0.0000

■ 41.6402, 21.4201,
4.0376

■ 41.6402, 21.4201,
4.0376

■ 41.6388, 21.4195,
4.0320

■ 42.4803, 22.3321,
6.6876

■ 44.0195, 24.2709,
10.7136

■ 46.4247, 27.5323,
16.2908

■ 49.8044, 32.2992,
23.5598

■ 54.2507, 38.7257,
32.6449

■ 59.8450, 46.9467,
43.6585

■ 66.6606, 57.0832,
56.7038

■ 74.7644, 69.2455,
71.8766

■ 84.2189, 83.5358,
89.2665

Harmonies

Analogous

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



47.0178, 21.4201, 20.2078



41.6402, 21.4201, 4.0376



30.5406, 21.4201, 0.4134

Triad

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



41.6402, 21.4201, 4.0376



7.3478, 21.4201, 6.0612



21.5206, 21.4201, 137.0444

Complementary

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



41.6402, 21.4201, 4.0376



47.9073, 76.3785, 75.8835

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.



12.7367, 21.4201, 118.6895



41.6402, 21.4201, 4.0376



6.3507, 21.4201, 26.7426

Square

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



41.6402, 21.4201, 4.0376



11.3463, 21.4201, 0.8038



7.9410, 21.4201, 70.0295



33.2020, 21.4201, 109.2894

Rectangle

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



41.6402, 21.4201, 4.0376



22.7365, 21.4201, 0.0000



7.9410, 21.4201, 70.0295



18.1536, 21.4201, 136.1080

Sweetspot

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



41.6407, 21.4215, 4.0379



66.6400, 57.0521, 56.6643



45.3496, 21.2947, 96.3270



13.6161, 11.2457, 10.8974



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.



41.6407, 21.4215, 4.0379



41.6392, 21.4197, 4.0321



44.4923, 27.7645, 3.0162



18.1283, 18.0346, 19.2927



21.7922, 11.2062, 2.2904



2.1542, 1.1041, 0.3935

Inverse Universe

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



41.6407, 21.4215, 4.0379



41.6392, 21.4197, 4.0321



32.4299, 35.9786, 99.8422



18.1283, 18.0346, 19.2927



21.7922, 11.2062, 2.2904



2.1542, 1.1041, 0.3935

Previews

White Background



This preview shows how the XYZ color 41.6402, 21.4201, 4.0376 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



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 41.6402, 21.4201, 4.0376

Background



This preview shows how black text looks on a background with the XYZ color 41.6402, 21.4201, 4.0376.



This preview shows how white text looks on a background with the XYZ color 41.6402, 21.4201,

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

41.6402, 21.4201, 4.0376

Protanopia

19.9890, 21.8446, 8.3172

Deuteranopia

22.1076, 21.7231, 3.2575



Tritanopia

41.1794, 21.6836, 2.0150

Trichromacy



Original Color

41.6402, 21.4201, 4.0376



Protanomaly

23.2843, 16.3973, 5.8087



Deuteranomaly

25.6156, 17.2350, 2.6384



Tritanomaly

41.1301, 21.4470, 2.4238

Monochromacy



Original Color

41.6402, 21.4201, 4.0376



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.7130, 8.7786, 6.1259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6402, 21.4201, 4.0376 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(255, 0, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 41)  
}
```

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(255, 0, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 41) }
```

Border

The CSS property to change the border of an element to XYZ 41.6402, 21.4201, 4.0376 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(255, 0, 41) }
```


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

```
.border{ border-color:rgb(255, 0, 41) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 41)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.6402, 21.4201, 4.0376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 41) }
```

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

```
.background{ background-color: rgb(255, 0,  
41) }
```

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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