

Converting Colors

XYZ(40.5089, 20.8599, 2.9440)

Have a look what the booklet for
XYZ(40.5089, 20.8599, 2.9440)
contains.

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Color

**XYZ(40.3427, 20.7746,
2.9205)**

Conversions

Conversions Part 1

Format	Color
Hex	FC001B
RGB	252, 0, 27
RGB Percent	99%, 0%, 11%
CMY	0.0118, 0.9997, 0.8941
CMYK	0.00, 1.00, 0.89, 0.01
HSL	354°, 100%, 49%
HSV	354°, 100%, 99%
XYZ	40.3427, 20.7746, 2.9205
YIQ	78.4260, 141.5250, 61.8210

Conversions

Conversions Part 2

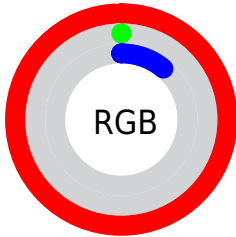
Format	Color
R_{YB}	252, 0, 27
Decimal	16515099
CIE Lab	52.70, 79.63, 58.58
CIE LCh	53, 98.860, 36.341
Yxy	20.7746, 0.6300, 0.3244
Android (android.graphics.Color)	4294705179 (0xFFFC001B)
YUV	78.4260, -25.3530, 152.2244
Hunter-Lab	45.5792, 78.2291, 28.1064

Details

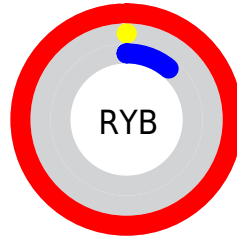
The XYZ color **40.3427, 20.7746, 2.9205** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **48.4111, 75.0607, 83.2205**, and the grayscale version is **7.3575, 7.7406, 8.4295**.

A 20% lighter version of the original color is **46.7274, 30.1475, 10.1937**, and **20.0076, 10.3143, 0.9363** is the 20% darker color. If you saturate the color by 10%, you get **40.3416, 20.7741, 2.9167**, and if you desaturate by 10%, it is **41.0631, 21.6282, 4.9725**.

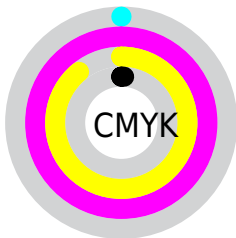
Distribution



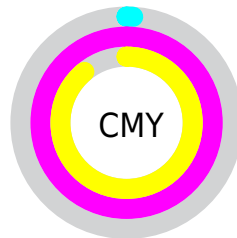
- Red (99%)
- Green (0%)
- Blue (11%)



- Red (99%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (89%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3427, 20.7746, 2.9205 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 40.3427, 20.7746, 2.9205 by changing the saturation by 10% instead.


 40.3427, 20.7746,
2.9205


 40.3427, 20.7746,
2.9205


338.6756,
256.0782, 135.3416


 27.9912, 12.9593,
1.0542


 74.9661, 44.7121,
11.4316


 18.4595, 7.4006,
0.0000


 97.9688, 61.6031,
18.9135


 11.3821, 3.7138,
0.0000


 125.2526, 82.2882,
29.1044

 6.3936, 1.5148,
0.0000

 157.1828,
107.1518, 42.4227

 3.1288, 0.2991,
0.0000

 194.1249,
136.5781, 59.2870


 1.2222, 0.0000,
0.0000

 236.4441,


 0.1238, 0.0000,


170.9517, 80.1159


0.0000


 284.5059,
210.6569, 105.3279


 0.0000, 0.0000,
0.0000


 40.3427, 20.7746,
2.9205


 40.3427, 20.7746,
2.9205


 40.3416, 20.7741,
2.9167

 41.0631, 21.6282,
4.9725

 42.4755, 23.4850,
8.4274

 44.7501, 26.6364,
13.4949

 47.9980, 31.2625,
20.3419

 52.3135, 37.5147,
29.1140

■ 57.7796, 45.5256,
39.9419

■ 64.4711, 55.4142,
52.9449

■ 72.4564, 67.2891,
68.2328

■ 81.7988, 81.2507,
85.9082

Harmonies

Analogous

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



46.6431, 20.7746, 16.9237



40.3427, 20.7746, 2.9205



28.7922, 20.7746, 0.0220

Triad

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



40.3427, 20.7746, 2.9205



6.6063, 20.7746, 6.6544



22.0113, 20.7746, 138.5126

Complementary

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



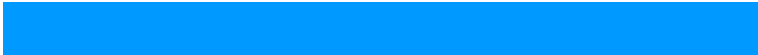
40.3427, 20.7746, 2.9205



48.4111, 75.0607, 83.2205

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.



12.8254, 20.7746, 124.2582



40.3427, 20.7746, 2.9205



5.8910, 20.7746, 29.4695

Square

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



40.3427, 20.7746, 2.9205



10.1922, 20.7746, 0.7853



7.7158, 20.7746, 75.5175



33.9358, 20.7746, 105.7836

Rectangle

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



40.3427, 20.7746, 2.9205



21.0348, 20.7746, 0.0000



7.7158, 20.7746, 75.5175



18.5103, 20.7746, 139.2873

Sweetspot

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



40.3431, 20.7759, 2.9208



66.1952, 56.8742, 54.3218



47.8819, 22.6554, 93.9439



13.5145, 11.2050, 10.3620



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.



40.3431, 20.7759, 2.9208



41.4408, 21.3403, 2.9875



44.3867, 29.1791, 3.2947



17.3200, 17.2554, 18.2749



21.0397, 10.8316, 1.6516



1.9726, 1.0128, 0.2794

Inverse Universe

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



40.3431, 20.7759, 2.9208



41.4408, 21.3403, 2.9875



29.3639, 30.6136, 96.4560



17.3200, 17.2554, 18.2749



21.0397, 10.8316, 1.6516



1.9726, 1.0128, 0.2794

Previews

White Background



This preview shows how the XYZ color 40.3427, 20.7746, 2.9205 looks on a white background.

Color Contrast Check

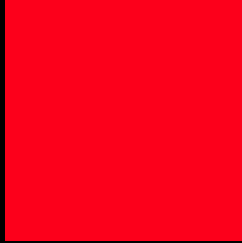
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3427, 20.7746, 2.9205 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 40.3427, 20.7746, 2.9205

Background



This preview shows how black text looks on a background with the XYZ color 40.3427, 20.7746, 2.9205.



This preview shows how white text looks on a background with the XYZ color 40.3427, 20.7746,

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

40.3427, 20.7746, 2.9205

Protanopia

19.2991, 21.1513, 5.9712

Deuteranopia

21.5353, 21.2518, 2.9670



Tritanopia

39.7307, 20.9368, 1.9472

Trichromacy



Original Color

40.3427, 20.7746, 2.9205



Protanomaly

22.6341, 15.9900, 3.9913



Deuteranomaly

24.9568, 16.7990, 2.2143



Tritanomaly

40.0093, 20.8728, 2.2073

Monochromacy



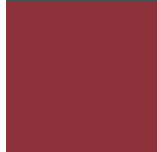
Original Color

40.3427, 20.7746, 2.9205



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.9145, 8.2597, 5.0513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3427, 20.7746, 2.9205 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(252, 0, 27)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 27)  
}
```

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(252, 0, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 27) }
```

Border

The CSS property to change the border of an element to XYZ 40.3427, 20.7746, 2.9205 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(252, 0, 27) }
```


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

```
.border{ border-color:rgb(252, 0, 27) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 27);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.3427, 20.7746, 2.9205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 27) }
```

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

```
.background{ background-color: rgb(252, 0,  
27) }
```

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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