

Converting Colors

XYZ(40.5229, 20.8655, 3.0175)

Have a look what the booklet for
XYZ(40.5229, 20.8655, 3.0175)
contains.

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Color

**XYZ(40.3545, 20.7793,
2.9825)**

Conversions

Conversions Part 1

Format	Color
Hex	FC001C
RGB	252, 0, 28
RGB Percent	99%, 0%, 11%
CMY	0.0118, 0.9997, 0.8902
CMYK	0.00, 1.00, 0.89, 0.01
HSL	353°, 100%, 49%
HSV	353°, 100%, 99%
XYZ	40.3545, 20.7793, 2.9825
YIQ	78.5400, 141.2040, 62.1320

Conversions

Conversions Part 2

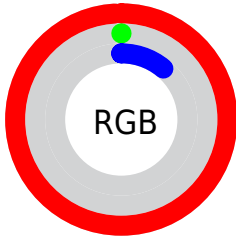
Format	Color
RYB	252, 0, 28
Decimal	16515100
CIELab	52.71, 79.65, 58.17
CIELCh	53, 98.628, 36.143
Yxy	20.7793, 0.6294, 0.3241
Android (android.graphics.Color)	4294705180 (0xFFFC001C)
YUV	78.5400, -24.9162, 152.1244
Hunter-Lab	45.5843, 78.2484, 28.0298

Details

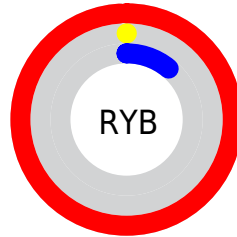
The XYZ color **40.3545, 20.7793, 2.9825** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **48.2748, 75.0062, 82.5026**, and the grayscale version is **7.3783, 7.7625, 8.4534**.

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 **40.3534, 20.7788, 2.9786**, and if you desaturate by 10%, it is **41.0825, 21.6359, 5.0747**.

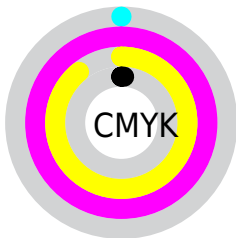
Distribution



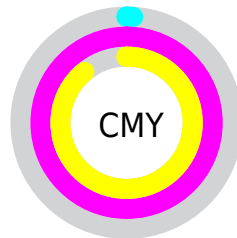
- Red (99%)
- Green (0%)
- Blue (11%)



- 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 40.3545, 20.7793, 2.9825 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 40.3545, 20.7793, 2.9825 by changing the saturation by 10% instead.

 40.3545, 20.7793,
2.9825


 40.3545, 20.7793,
2.9825


338.7243,
256.1033, 136.1374


 28.0005, 12.9628,
1.0857


 74.9839, 44.7199,
11.5852

 18.4665, 7.4029,
0.0000


 97.9901, 61.6128,
19.1282


 11.3871, 3.7153,
0.0000


 125.2777, 82.3000,
29.3904

 6.3971, 1.5156,
0.0000

 157.2120,
107.1658, 42.7903

 3.1309, 0.2997,
0.0000

 194.1585,
136.5946, 59.7463


 1.2234, 0.0000,
0.0000


 236.4825,


 0.1247, 0.0000,


170.9709, 80.6772


0.0000


 284.5493,
210.6790, 106.0014


 0.0000, 0.0000,
0.0000


 40.3545, 20.7793,
2.9825


 40.3545, 20.7793,
2.9825


 40.3534, 20.7788,
2.9786

 41.0825, 21.6359,
5.0747

 42.5017, 23.4954,
8.5658

 44.7818, 26.6489,
13.6622

 48.0333, 31.2764,
20.5282

 52.3502, 37.5290,
29.3075

■ 57.8150, 45.5394,
40.1292

■ 64.5024, 55.4263,
53.1107

■ 72.4804, 67.2983,
68.3609

■ 81.8123, 81.2555,
85.9810

Harmonies

Analogous

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



46.5824, 20.7793, 17.1003



40.3545, 20.7793, 2.9825



28.8541, 20.7793, 0.0470

Triad

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



40.3545, 20.7793, 2.9825



6.6422, 20.7793, 6.6015



21.9379, 20.7793, 138.1590

Complementary

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



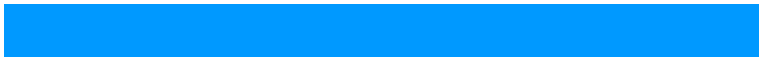
40.3545, 20.7793, 2.9825



48.2748, 75.0062, 82.5026

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.



12.7961, 20.7793, 123.6518



40.3545, 20.7793, 2.9825



5.9103, 20.7793, 29.2276

Square

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



40.3545, 20.7793, 2.9825



10.2482, 20.7793, 0.7850



7.7167, 20.7793, 75.0032



33.8241, 20.7793, 105.8209

Rectangle

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



40.3545, 20.7793, 2.9825



21.1073, 20.7793, 0.0000



7.7167, 20.7793, 75.0032



18.4524, 20.7793, 138.8167

Sweetspot

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



40.3549, 20.7806, 2.9828



66.2277, 56.8872, 54.4931



47.8819, 22.6554, 93.9440



13.5219, 11.2080, 10.4010



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.



40.3549, 20.7806, 2.9828



41.4529, 21.3451, 3.0509



44.3867, 29.1789, 3.2947



17.3228, 17.2565, 18.2898



21.0465, 10.8343, 1.6876



1.9740, 1.0133, 0.2864

Inverse Universe

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



40.3549, 20.7806, 2.9828



41.4529, 21.3451, 3.0509



29.3638, 30.6134, 96.4561



17.3228, 17.2565, 18.2898



21.0465, 10.8343, 1.6876



1.9740, 1.0133, 0.2864

Previews

White Background



This preview shows how the XYZ color 40.3545, 20.7793, 2.9825 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 40.3545, 20.7793, 2.9825

Background



This preview shows how black text looks on a background with the XYZ color 40.3545, 20.7793, 2.9825.



This preview shows how white text looks on a background with the XYZ color 40.3545, 20.7793,

2.9825.

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

40.3545, 20.7793, 2.9825

Protanopia

19.3204, 21.1598, 6.0836

Deuteranopia

21.5353, 21.2518, 2.9670



Tritanopia

39.7307, 20.9368, 1.9472

Trichromacy



Original Color

40.3545, 20.7793, 2.9825



Protanomaly

22.6518, 15.9971, 4.0844



Deuteranomaly

24.9568, 16.7990, 2.2143



Tritanomaly

40.0093, 20.8728, 2.2073

Monochromacy



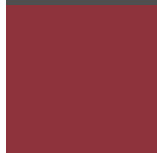
Original Color

40.3545, 20.7793, 2.9825



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

13.1115, 8.3582, 5.1972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3545, 20.7793, 2.9825 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, 28)` looks like.

```
.text, #text, p{  
    color:rgb(252, 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(252, 0, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 28) }
```

Border

The CSS property to change the border of an element to XYZ 40.3545, 20.7793, 2.9825 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, 28) }
```


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

```
.border{ border-color:rgb(252, 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(252, 0, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 28);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 28)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.3545, 20.7793, 2.9825 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, 28) }
```

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

```
.background{ background-color: rgb(252, 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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