

Converting Colors

XYZ(40.5049, 20.8406, 3.7210)

Have a look what the booklet for
XYZ(40.5049, 20.8406, 3.7210)
contains.

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Color

**XYZ(40.4947, 20.8354,
3.7210)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | FC0026 |
| RGB | 252, 0, 38 |
| RGB Percent | 99%, 0%, 15% |
| CMY | 0.0118, 0.9997, 0.8510 |
| CMYK | 0.00, 1.00, 0.85, 0.01 |
| HSL | 351°, 100%, 49% |
| HSV | 351°, 100%, 99% |
| XYZ | 40.4947, 20.8354, 3.7210 |
| YIQ | 79.6800, 137.9940, 65.2420 |

Conversions

Conversions Part 2

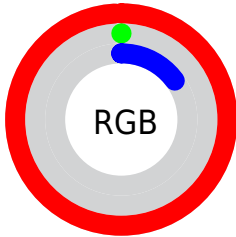
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 252, 0, 38 |
| Decimal | 16515110 |
| CIELab | 52.77, 79.82, 53.66 |
| CIElCh | 53, 96.179, 33.915 |
| Yxy | 20.8354, 0.6225, 0.3203 |
| Android (android.graphics.Color) | 4294705190 (0xFFFC0026) |
| YUV | 79.6800, -20.5482, 151.1246 |
| Hunter-Lab | 45.6458, 78.4762, 27.1188 |

Details

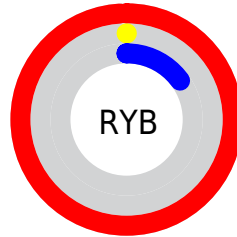
The XYZ color **40.4947, 20.8354, 3.7210** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **46.9575, 74.4793, 75.5662**, and the grayscale version is **7.5902, 7.9855, 8.6962**.

A 20% lighter version of the original color is **47.0626, 30.2816, 11.9588**, and **20.0076, 10.3143, 0.9363** is the 20% darker color. If you saturate the color by 10%, you get **40.4934, 20.8348, 3.7159**, and if you desaturate by 10%, it is **41.2980, 21.7222, 6.2092**.

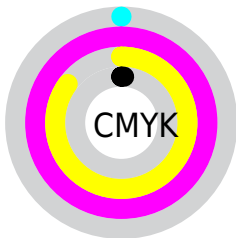
Distribution



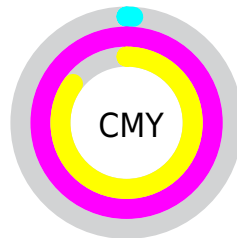
- Red (99%)
- Green (0%)
- Blue (15%)



- Red (99%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (1%)



- Cyan (1%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4947, 20.8354, 3.7210 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 40.4947, 20.8354, 3.7210 by changing the saturation by 10% instead.


 40.4947, 20.8354,
3.7210


 40.4947, 20.8354,
3.7210


339.3030,
256.4024, 145.0719


 28.1104, 13.0037,
1.4736


 75.1958, 44.8134,
13.3610


 18.5498, 7.4311,
0.1981


 98.2433, 61.7286,
21.5907


 11.4475, 3.7332,
0.0000


 125.5759, 82.4404,
32.6515

 6.4382, 1.5254,
0.0000

 157.5590,
107.3332, 46.9620

 3.1565, 0.3065,
0.0000

 194.5579,
136.7914, 64.9408

 1.2370, 0.0000,
0.0000

 236.9380,

 0.1353, 0.0000,

171.1994, 87.0063

0.0000

285.0646,
210.9416, 113.5772

0.0000, 0.0000,
0.0000

40.4947, 20.8354,
3.7210

40.4947, 20.8354,
3.7210

40.4934, 20.8348,
3.7159

41.2980, 21.7222,
6.2092

42.7835, 23.6082,
10.0495

45.1154, 26.7825,
15.4187

48.4000, 31.4232,
22.4586

52.7275, 37.6802,
31.2940

■ 58.1776, 45.6847,
42.0379

■ 64.8222, 55.5546,
54.7940

■ 72.7270, 67.3974,
69.6581

■ 81.9529, 81.3123,
86.7202

Harmonies

Analogous

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



45.9326, 20.8354, 19.1216



40.4947, 20.8354, 3.7210



29.5463, 20.8354, 0.3215

Triad

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



40.4947, 20.8354, 3.7210



7.0454, 20.8354, 6.0402



21.1490, 20.8354, 134.3632

Complementary

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



40.4947, 20.8354, 3.7210



46.9575, 74.4793, 75.5662

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.



12.4791, 20.8354, 117.1680



40.4947, 20.8354, 3.7210



6.1254, 20.8354, 26.6684

Square

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



40.4947, 20.8354, 3.7210



10.8774, 20.8354, 0.7806



7.7271, 20.8354, 69.5355



32.6240, 20.8354, 106.2621

Rectangle

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



40.4947, 20.8354, 3.7210



21.9179, 20.8354, 0.0000



7.7271, 20.8354, 69.5355



17.8295, 20.8354, 133.7677

Sweetspot

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



40.4951, 20.8367, 3.7213



66.5562, 57.0186, 56.2230



44.1528, 20.7330, 93.7694



13.5970, 11.2380, 10.7963



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.



40.4951, 20.8367, 3.7213



41.5962, 21.4025, 3.8057



43.3189, 27.0433, 2.9388



17.3511, 17.2678, 18.4386



21.1265, 10.8663, 2.1084



1.9873, 1.0187, 0.3565

Inverse Universe

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



40.4951, 20.8367, 3.7213



41.5962, 21.4025, 3.8057



31.5783, 35.0424, 97.1941



17.3511, 17.2678, 18.4386



21.1265, 10.8663, 2.1084



1.9873, 1.0187, 0.3565

Previews

White Background



This preview shows how the XYZ color 40.4947, 20.8354, 3.7210 looks on a white background.

Color Contrast Check

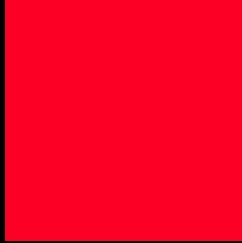
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.4947, 20.8354, 3.7210 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 40.4947, 20.8354, 3.7210

Background



This preview shows how black text looks on a background with the XYZ color 40.4947, 20.8354, 3.7210.



This preview shows how white text looks on a background with the XYZ color 40.4947, 20.8354,

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

40.4947, 20.8354, 3.7210

Protanopia

19.5732, 21.4489, 7.6659

Deuteranopia

21.5353, 21.2518, 2.9670



Tritanopia

40.0901, 21.1220, 1.9640

Trichromacy



Original Color

40.4947, 20.8354, 3.7210

Protanomaly

22.6411, 15.9657, 5.2565

Deuteranomaly

24.9813, 16.8088, 2.3432

Tritanomaly

40.0338, 20.8826, 2.3362

Monochromacy



Original Color

40.4947, 20.8354, 3.7210

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

13.4657, 8.5889, 5.9491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4947, 20.8354, 3.7210 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 38) }
```

Border

The CSS property to change the border of an element to XYZ 40.4947, 20.8354, 3.7210 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, 38) }
```


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

```
.border{ border-color:rgb(252, 0, 38) }
```

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, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 38)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.4947, 20.8354, 3.7210 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, 38) }
```

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

```
.background{ background-color: rgb(252, 0,  
38) }
```

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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