

Converting Colors

XYZ(41.8299, 21.4960, 5.0365)

Have a look what the booklet for
XYZ(41.8299, 21.4960, 5.0365)
contains.

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Color

**XYZ(41.8375, 21.4990,
5.0766)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0033
RGB	255, 0, 51
RGB Percent	100%, 0%, 20%
CMY	0.0000, 0.9997, 0.8000
CMYK	0.00, 1.00, 0.80, 0.00
HSL	348°, 100%, 50%
HSV	348°, 100%, 100%
XYZ	41.8375, 21.4990, 5.0766
YIQ	82.0590, 135.6090, 69.9210

Conversions

Conversions Part 2

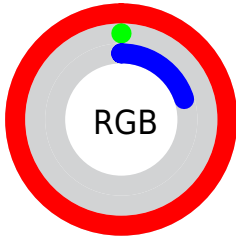
Format	Color
R_{YB}	255, 0, 51
Decimal	16711731
CIE _{Lab}	53.49, 80.81, 47.83
CIE _{LCh}	53, 93.907, 30.619
Yxy	21.4990, 0.6115, 0.3143
Android (android.graphics.Color)	4294901811 (0xFFFF0033)
YUV	82.0590, -15.3121, 151.6693
Hunter-Lab	46.3670, 79.9204, 25.9654

Details

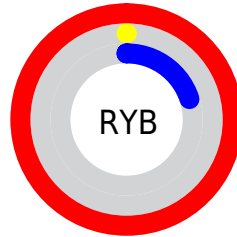
The XYZ color **41.8375, 21.4990, 5.0766** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **46.6680, 75.8828, 69.3577**, and the grayscale version is **8.0504, 8.4696, 9.2234**.

A 20% lighter version of the original color is **47.7193, 30.6912, 14.9642**, and **20.7774, 10.7067, 1.1725** is the 20% darker color. If you saturate the color by 10%, you get **41.8359, 21.4983, 5.0701**, and if you desaturate by 10%, it is **42.7500, 22.4399, 8.1079**.

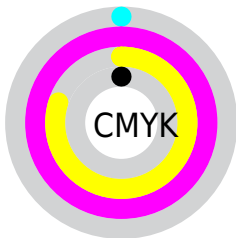
Distribution



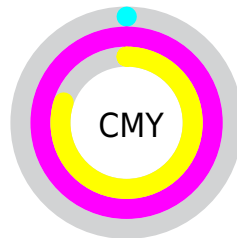
- Red (100%)
- Green (0%)
- Blue (20%)



- Red (100%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8375, 21.4990, 5.0766 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 41.8375, 21.4990, 5.0766 by changing the saturation by 10% instead.


 41.8375, 21.4990,
5.0766


 41.8375, 21.4990,
5.0766


344.8120,
259.9186, 159.5304


 29.1646, 13.4892,
2.2328


 77.2203, 45.9165,
16.4251

 19.3503, 7.7663,
0.6932


 100.6610, 63.0931,
25.7669

 12.0292, 3.9458,
0.0000


 128.4217, 84.0941,
38.1117

 6.8359, 1.6433,
0.0000

 160.8676,
109.3038, 53.8781

 3.4051, 0.3865,
0.0000

 198.3643,
139.1068, 73.4846

 1.3714, 0.0000,
0.0000

 241.2770,

 0.2357, 0.0000,

173.8873, 97.3498

0.0000

289.9711,
214.0298, 125.8922

■ 0.0000, 0.0000,
0.0000

■ 41.8375, 21.4990,
5.0766

■ 41.8375, 21.4990,
5.0766

■ 41.8359, 21.4983,
5.0701

■ 42.7500, 22.4399,
8.1079

■ 44.3501, 24.4031,
12.4548

■ 46.8003, 27.6824,
18.2692

■ 50.2055, 32.4594,
25.6730

■ 54.6550, 38.8871,
34.7745

■ 60.2272, 47.0992,
45.6722

■ 66.9933, 57.2158,
58.4571

■ 75.0180, 69.3464,
73.2136

■ 84.3618, 83.5923,
90.0211

Harmonies

Analogous

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



46.3066, 21.4990, 22.8195



41.8375, 21.4990, 5.0766



31.3883, 21.4990, 0.7270

Triad

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



41.8375, 21.4990, 5.0766



7.8456, 21.4990, 5.4573



20.6423, 21.4990, 132.8534

Complementary

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



41.8375, 21.4990, 5.0766



46.6680, 75.8828, 69.3577

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.



12.3808, 21.4990, 111.5853



41.8375, 21.4990, 5.0766



6.6113, 21.4990, 24.0080

Square

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



41.8375, 21.4990, 5.0766



12.1253, 21.4990, 0.7978



7.9557, 21.4990, 64.1233



31.8691, 21.4990, 109.9106

Rectangle

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



41.8375, 21.4990, 5.0766



23.7298, 21.4990, 0.0000



7.9557, 21.4990, 64.1233



17.4587, 21.4990, 130.5349

Sweetspot

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



41.8380, 21.5004, 5.0769



66.9733, 57.1854, 58.4194



42.9561, 20.0607, 96.2150



13.6927, 11.2763, 11.3004



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.



41.8380, 21.5004, 5.0769



41.8363, 21.4985, 5.0701



43.8625, 26.5049, 2.8062



18.1577, 18.0464, 19.4477



21.9020, 11.2501, 2.8685



2.1691, 1.1100, 0.4718

Inverse Universe

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



41.8380, 21.5004, 5.0769



41.8363, 21.4985, 5.0701



34.0749, 39.2687, 100.3906



18.1577, 18.0464, 19.4477



21.9020, 11.2501, 2.8685



2.1691, 1.1100, 0.4718

Previews

White Background



This preview shows how the XYZ color 41.8375, 21.4990, 5.0766 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 41.8375, 21.4990, 5.0766

Background



This preview shows how black text looks on a background with the XYZ color 41.8375, 21.4990, 5.0766.



This preview shows how white text looks on a background with the XYZ color 41.8375, 21.4990,

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

41.8375, 21.4990, 5.0766

Protanopia

20.2460, 21.9277, 10.5625

Deuteranopia

22.2440, 21.9516, 4.4312



Tritanopia

41.1600, 21.6446, 2.0085

Trichromacy



Original Color

41.8375, 21.4990, 5.0766

Protanomaly

23.3829, 16.4093, 7.5651

Deuteranomaly

25.8555, 17.3310, 3.9019

Tritanomaly

41.1476, 21.4319, 2.5841

Monochromacy



Original Color

41.8375, 21.4990, 5.0766

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

14.0424, 8.9307, 6.9449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8375, 21.4990, 5.0766 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, 51)` looks like.

```
.text, #text, p{  
  color:rgb(255, 0, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 51) }
```

Border

The CSS property to change the border of an element to XYZ 41.8375, 21.4990, 5.0766 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, 51) }
```


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

```
.border{ border-color:rgb(255, 0, 51) }
```

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, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.8375, 21.4990, 5.0766 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, 51) }
```

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

```
.background{ background-color: rgb(255, 0,  
51) }
```

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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