

Converting Colors

XYZ(41.5076, 21.3670, 3.3390)

Have a look what the booklet for
XYZ(41.5076, 21.3670, 3.3390)
contains.

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Color

**XYZ(41.5145, 21.3698,
3.3756)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0021
RGB	255, 0, 33
RGB Percent	100%, 0%, 13%
CMY	0.0000, 0.9997, 0.8706
CMYK	0.00, 1.00, 0.87, 0.00
HSL	352°, 100%, 50%
HSV	352°, 100%, 100%
XYZ	41.5145, 21.3698, 3.3756
YIQ	80.0070, 141.3870, 64.3230

Conversions

Conversions Part 2

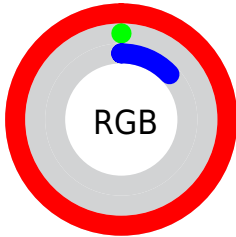
Format	Color
R_{YB}	255, 0, 33
Decimal	16711713
CIE _{Lab}	53.35, 80.43, 56.74
CIE _{LCh}	53, 98.435, 35.201
Yxy	21.3698, 0.6265, 0.3225
Android (android.graphics.Color)	4294901793 (0xFFFF0021)
YUV	80.0070, -23.1745, 153.4689
Hunter-Lab	46.2275, 79.4035, 28.0298

Details

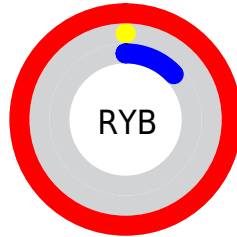
The XYZ color **41.5145, 21.3698, 3.3756** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **48.9547, 76.7975, 81.3991**, and the grayscale version is **7.6584, 8.0572, 8.7743**.

A 20% lighter version of the original color is **46.9999, 30.4035, 11.1759**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.5133, 21.3693, 3.3711**, and if you desaturate by 10%, it is **42.2942, 22.2576, 5.7075**.

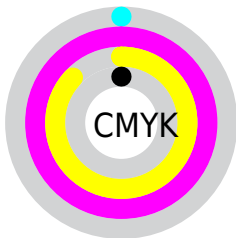
Distribution



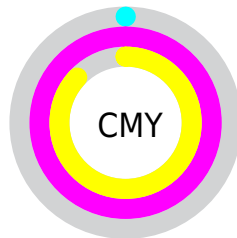
- Red (100%)
- Green (0%)
- Blue (13%)



- Red (100%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5145, 21.3698, 3.3756 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 41.5145, 21.3698, 3.3756 by changing the saturation by 10% instead.


 41.5145, 21.3698,
3.3756


 41.5145, 21.3698,
3.3756

343.4924,
259.2373, 141.0094


 28.9108, 13.3946,
1.2895


 76.7341, 45.7022,
12.5420

 19.1573, 7.7008,
0.0531


 100.0807, 62.8281,
20.4593


 11.8887, 3.9041,
0.0000


 127.7389, 83.7731,
31.1575

 6.7396, 1.6201,
0.0000

 160.0741,
108.9215, 45.0550

 3.3446, 0.3711,
0.0000

 197.4518,
138.6577, 62.5704


 1.3385, 0.0000,
0.0000

 240.2371,


 0.2118, 0.0000,


173.3662, 84.1223


0.0000


 288.7955,
213.4312, 110.1291


 0.0000, 0.0000,
0.0000


 41.5145, 21.3698,
3.3756

 41.5145, 21.3698,
3.3756


 41.5133, 21.3693,
3.3711

 42.2942, 22.2576,
5.7075

 43.7808, 24.1754,
9.4567

 46.1454, 27.4205,
14.8207

 49.5000, 32.1773,
21.9574

 53.9394, 38.6010,
31.0058

■ 59.5471, 46.8273,
42.0906

■ 66.3987, 56.9781,
55.3260

■ 74.5632, 69.1646,
70.8178

■ 84.1043, 83.4895,
88.6645

Harmonies

Analogous

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



47.5630, 21.3698, 18.4376



41.5145, 21.3698, 3.3756



29.9431, 21.3698, 0.1837

Triad

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



41.5145, 21.3698, 3.3756



6.9989, 21.3698, 6.5300



22.1852, 21.3698, 140.2358

Complementary

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



41.5145, 21.3698, 3.3756



48.9547, 76.7975, 81.3991

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.



13.0043, 21.3698, 124.1295



41.5145, 21.3698, 3.3756



6.1656, 21.3698, 28.8761

Square

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



41.5145, 21.3698, 3.3756



10.8015, 21.3698, 0.8076



7.9316, 21.3698, 74.6003



34.2124, 21.3698, 108.8938

Rectangle

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



41.5145, 21.3698, 3.3756



22.0365, 21.3698, 0.0000



7.9316, 21.3698, 74.6003



18.6786, 21.3698, 140.3524

Sweetspot

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



41.5150, 21.3712, 3.3759



66.3784, 56.9475, 55.2864



47.8721, 22.5950, 96.4451



13.5563, 11.2217, 10.5821



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.



41.5150, 21.3712, 3.3759



41.5137, 21.3695, 3.3711



45.2024, 29.1846, 3.2528



18.1049, 18.0253, 19.1693



21.7211, 11.1777, 1.9158



2.1432, 1.0997, 0.3358

Inverse Universe

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



41.5150, 21.3712, 3.3759



41.5137, 21.3695, 3.3711



30.8876, 32.8942, 99.3282



18.1049, 18.0253, 19.1693



21.7211, 11.1777, 1.9158



2.1432, 1.0997, 0.3358

Previews

White Background



This preview shows how the XYZ color 41.5145, 21.3698, 3.3756 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 41.5145, 21.3698, 3.3756

Background



This preview shows how black text looks on a background with the XYZ color 41.5145, 21.3698, 3.3756.



This preview shows how white text looks on a background with the XYZ color 41.5145, 21.3698,

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

41.5145, 21.3698, 3.3756

Protanopia

19.8918, 21.8257, 6.9057

Deuteranopia

22.0638, 21.7056, 3.0267



Tritanopia

41.1794, 21.6836, 2.0150

Trichromacy



Original Color

41.5145, 21.3698, 3.3756



Protanomaly

23.3180, 16.4383, 4.7402



Deuteranomaly

25.5557, 17.2111, 2.3230



Tritanomaly

41.1102, 21.4390, 2.3192

Monochromacy



Original Color

41.5145, 21.3698, 3.3756



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

13.5826, 8.6558, 5.6575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5145, 21.3698, 3.3756 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 33) }
```

Border

The CSS property to change the border of an element to XYZ 41.5145, 21.3698, 3.3756 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, 33) }
```


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

```
.border{ border-color:rgb(255, 0, 33) }
```

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, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 33)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.5145, 21.3698, 3.3756 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, 33) }
```

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

```
.background{ background-color: rgb(255, 0,  
33) }
```

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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