

Converting Colors

XYZ(41.5587, 21.8973, 2.0362)

Have a look what the booklet for
XYZ(41.5587, 21.8973, 2.0362)
contains.

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Color

**XYZ(41.5666, 21.9133,
2.0389)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1800
RGB	255, 24, 0
RGB Percent	100%, 9%, 0%
CMY	0.0000, 0.9057, 1.0000
CMYK	0.00, 0.91, 1.00, 0.00
HSL	6°, 100%, 50%
HSV	6°, 100%, 100%
XYZ	41.5666, 21.9133, 2.0389
YIQ	90.3330, 145.3800, 41.5080

Conversions

Conversions Part 2

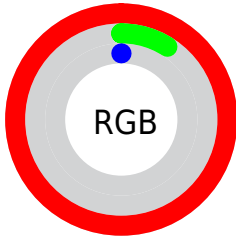
Format	Color
RYB	255, 26, 0
Decimal	16717824
CIELab	53.93, 78.08, 67.47
CIELCh	54, 103.191, 40.830
Yxy	21.9133, 0.6344, 0.3345
Android (android.graphics.Color)	4294907904 (0xFFFF1800)
YUV	90.3330, -44.5342, 144.4130
Hunter-Lab	46.8116, 76.5795, 30.1858

Details

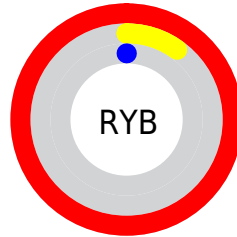
The XYZ color **41.5666, 21.9133, 2.0389** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **46.6149, 64.3500, 104.5707**, and the grayscale version is **9.8720, 10.3861, 11.3105**.

A 20% lighter version of the original color is **46.7808, 31.0785, 7.6708**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **41.5670, 21.9146, 2.0391**, and if you desaturate by 10%, it is **42.4425, 23.3761, 3.2234**.

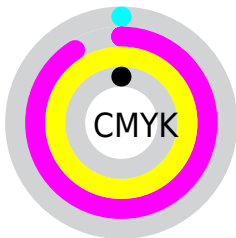
Distribution



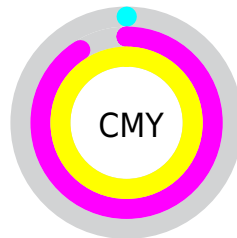
- Red (100%)
- Green (9%)
- Blue (0%)



- Red (100%)
- Yellow (10%)
- Blue (0%)



- Cyan (0%)
- Magenta (91%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (91%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5666, 21.9133, 2.0389 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 41.5666, 21.9133, 2.0389 by changing the saturation by 10% instead.


 41.5666, 21.9133,
2.0389


 41.5666, 21.9133,
2.0389


 343.7054,
262.0932, 122.9779

 28.9517, 13.7932,
0.5790


 76.8126, 46.6027,
9.1469


 19.1884, 7.9770,
0.0000


 100.1743, 63.9407,
15.6811


 11.9113, 4.0802,
0.0000


 127.8491, 85.1202,
24.7602

 6.7551, 1.7185,
0.0000

 160.2022,
110.5256, 36.8028

 3.3544, 0.4356,
0.0000

 197.5991,
140.5411, 52.2272

 1.3438, 0.0000,
0.0000

 240.4050,


 0.2156, 0.0000,

175.5513, 71.4522


0.0000


 288.9853,
215.9405, 94.8963


 0.0000, 0.0000,
0.0000


 41.5666, 21.9133,
2.0389


 41.5666, 21.9133,
2.0389


 41.5670, 21.9146,
2.0391

 42.4425, 23.3761,
3.2234

 44.0419, 25.9082,
5.8117

 46.5048, 29.6750,
10.2061

 49.9323, 34.8079,
16.6577

 54.4113, 41.4215,
25.3778

60.0187, 49.6181,
36.5515

66.8243, 59.4911,
50.3448

74.8923, 71.1265,
66.9090

84.2823, 84.6045,
86.3843

Harmonies

Analogous

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



49.6919, 21.9133, 14.1016



41.5666, 21.9133, 2.0389



28.6709, 21.9133, 0.0000

Triad

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



41.5666, 21.9133, 2.0389



6.4530, 21.9133, 8.8676



25.1109, 21.9133, 148.7718

Complementary

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



41.5666, 21.9133, 2.0389



46.6149, 64.3500, 104.5707

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.



14.5641, 21.9133, 141.0959



41.5666, 21.9133, 2.0389



6.0913, 21.9133, 37.3197

Square

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



41.5666, 21.9133, 2.0389



9.7396, 21.9133, 1.0446



8.4735, 21.9133, 90.5013



38.1763, 21.9133, 106.7049

Rectangle

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



41.5666, 21.9133, 2.0389



20.5197, 21.9133, 0.0000



8.4735, 21.9133, 90.5013



21.1392, 21.9133, 152.4764

Sweetspot

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



41.5671, 21.9147, 2.0392



66.8244, 59.4908, 50.3440



56.0549, 27.1859, 79.9461



13.6568, 11.7975, 9.4604



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.



41.5671, 21.9147, 2.0392



41.5674, 21.9148, 2.0391



51.9476, 42.6757, 5.4994



18.1470, 18.2623, 18.7128



21.7656, 11.5423, 1.0807



2.1634, 1.2121, 0.1199

Inverse Universe

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



46.6149, 64.3500, 104.5707



46.6153, 64.3505, 104.5718



23.2298, 17.5798, 96.7757



18.3999, 20.1714, 23.1736



24.4176, 33.7448, 54.6610



2.4183, 3.3673, 5.3358

Previews

White Background



This preview shows how the XYZ color 41.5666, 21.9133, 2.0389 looks on a white background.

Color Contrast Check

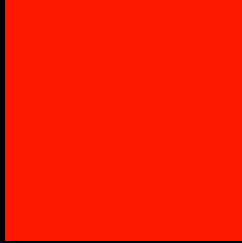
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.5666, 21.9133, 2.0389 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 41.5666, 21.9133, 2.0389

Background



This preview shows how black text looks on a background with the XYZ color 41.5666, 21.9133, 2.0389.



This preview shows how white text looks on a background with the XYZ color 41.5666, 21.9133,

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

41.5666, 21.9133, 2.0389

Protanopia

20.0974, 22.1805, 4.5885

Tritanopia

41.6214, 21.9352, 2.3274

Trichromacy



Original Color

41.5666, 21.9133, 2.0389

Protanomaly

24.1171, 17.9718, 2.8596

Tritanomaly

41.5995, 21.9264, 2.2120

Monochromacy



Original Color

41.5666, 21.9133, 2.0389

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

15.2644, 10.6759, 5.1270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5666, 21.9133, 2.0389 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, 24, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 24, 0)  
}
```

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, 24, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 24, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.5666, 21.9133, 2.0389 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, 24, 0) }
```

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

```
.border{ border-color:rgb(255, 24, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 24, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 24, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 24, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 24, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 41.5666, 21.9133, 2.0389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 24, 0) }
```

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

```
.background{ background-color: rgb(255, 24,  
0) }
```

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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