

Converting Colors

XYZ(41.5302, 21.8405, 2.0267)

Have a look what the booklet for
XYZ(41.5302, 21.8405, 2.0267)
contains.

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Color

**XYZ(41.5269, 21.8338,
2.0256)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1600
RGB	255, 22, 0
RGB Percent	100%, 9%, 0%
CMY	0.0000, 0.9136, 1.0000
CMYK	0.00, 0.91, 1.00, 0.00
HSL	5°, 100%, 50%
HSV	5°, 100%, 100%
XYZ	41.5269, 21.8338, 2.0256
YIQ	89.1590, 145.9300, 42.5540

Conversions

Conversions Part 2

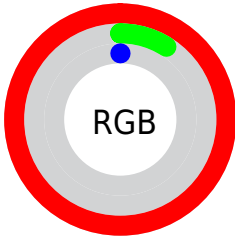
Format	Color
RYB	255, 24, 0
Decimal	16717312
CIELab	53.85, 78.32, 67.44
CIELCh	54, 103.356, 40.729
Yxy	21.8338, 0.6351, 0.3339
Android (android.graphics.Color)	4294907392 (0xFFFF1600)
YUV	89.1590, -43.9554, 145.4426
Hunter-Lab	46.7267, 76.8648, 30.1384

Details

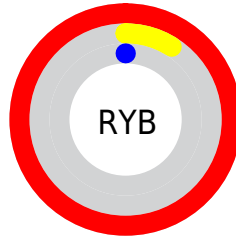
The XYZ color **41.5269, 21.8338, 2.0256** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **47.1771, 65.4745, 104.7583**, and the grayscale version is **9.6072, 10.1075, 11.0071**.

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 **41.5273, 21.8352, 2.0259**, and if you desaturate by 10%, it is **42.3719, 23.2347, 3.1998**.

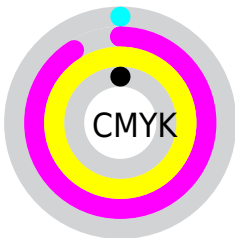
Distribution



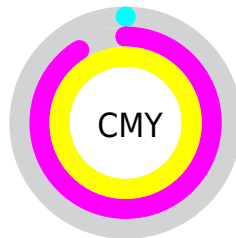
- Red (100%)
- Green (9%)
- Blue (0%)



- Red (100%)
- Yellow (9%)
- 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 41.5269, 21.8338, 2.0256 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 41.5269, 21.8338, 2.0256 by changing the saturation by 10% instead.


 41.5269, 21.8338,
2.0256


 41.5269, 21.8338,
2.0256


 343.5431,
261.6771, 122.7730


 28.9205, 13.7348,
0.5710


 76.7528, 46.4712,
9.1107


 19.1647, 7.9365,
0.0000


 100.1030, 63.7783,
15.6292

 11.8940, 4.0543,
0.0000


 127.7651, 84.9237,
24.6899

 6.7433, 1.7040,
0.0000

 160.1046,
110.2916, 36.7111

 3.3470, 0.4262,
0.0000

 197.4868,
140.2665, 52.1115

 1.3398, 0.0000,
0.0000

 240.2771,


 0.2127, 0.0000,


175.2328, 71.3096


0.0000


 288.8407,
215.5749, 94.7239


 0.0000, 0.0000,
0.0000


 41.5269, 21.8338,
2.0256


 41.5269, 21.8338,
2.0256


 41.5273, 21.8352,
2.0259

 42.3719, 23.2347,
3.1998

 43.9428, 25.7100,
5.7785

 46.3826, 29.4305,
10.1650

 49.7943, 34.5318,
16.6112

 54.2664, 41.1317,
25.3290

■ 59.8774, 49.3356,
36.5038

■ 66.6982, 59.2390,
50.3019

■ 74.7941, 70.9303,
66.8754

■ 84.2256, 84.4914,
86.3643

Harmonies

Analogous

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



49.6295, 21.8338, 14.1025



41.5269, 21.8338, 2.0256



28.6354, 21.8338, 0.0000

Triad

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



41.5269, 21.8338, 2.0256



6.4093, 21.8338, 8.7538



24.9906, 21.8338, 148.8730

Complementary

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



41.5269, 21.8338, 2.0256



47.1771, 65.4745, 104.7583

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.



14.4677, 21.8338, 140.9986



41.5269, 21.8338, 2.0256



6.0402, 21.8338, 37.0848

Square

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



41.5269, 21.8338, 2.0256



9.6979, 21.8338, 1.0161



8.4044, 21.8338, 90.2471



38.0537, 21.8338, 106.8631

Rectangle

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



41.5269, 21.8338, 2.0256



20.4818, 21.8338, 0.0000



8.4044, 21.8338, 90.2471



21.0253, 21.8338, 152.5205

Sweetspot

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



41.5274, 21.8352, 2.0259



66.6986, 59.2393, 50.3021



56.0549, 27.1859, 79.9461



13.6282, 11.7403, 9.4509



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.



41.5274, 21.8352, 2.0259



41.5277, 21.8354, 2.0259



51.9475, 42.6756, 5.4993



18.1355, 18.2393, 18.7090



21.7420, 11.4953, 1.0729



2.1579, 1.2012, 0.1181

Inverse Universe

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



47.1771, 65.4745, 104.7583



47.1775, 65.4750, 104.7592



23.2297, 17.5796, 96.7758



18.4127, 20.1970, 23.1779



24.7070, 34.3236, 54.7575



2.4435, 3.4177, 5.3442

Previews

White Background



This preview shows how the XYZ color 41.5269, 21.8338, 2.0256 looks on a white background.

Color Contrast Check

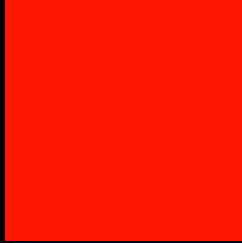
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.5269, 21.8338, 2.0256 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 41.5269, 21.8338, 2.0256

Background



This preview shows how black text looks on a background with the XYZ color 41.5269, 21.8338, 2.0256.



This preview shows how white text looks on a background with the XYZ color 41.5269, 21.8338,

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

41.5269, 21.8338, 2.0256

Protanopia

19.9342, 22.0948, 4.6529

Deuteranopia

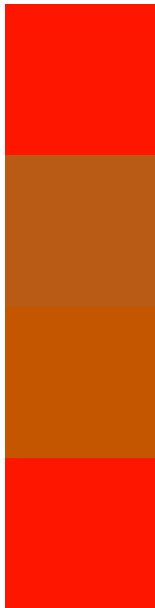
22.1872, 21.9524, 3.0679



Tritanopia

41.5269, 21.8338, 2.0256

Trichromacy



Original Color

41.5269, 21.8338, 2.0256

Protanomaly

23.8840, 17.8506, 2.8962

Deuteranomaly

26.0927, 18.3913, 2.1746

Tritanomaly

41.5269, 21.8338, 2.0256

Monochromacy



Original Color

41.5269, 21.8338, 2.0256

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

15.0232, 10.4656, 5.0991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5269, 21.8338, 2.0256 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, 22, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 22, 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, 22, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 22, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.5269, 21.8338, 2.0256 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, 22, 0) }
```


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

```
.border{ border-color:rgb(255, 22, 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, 22, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 22, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 22, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 22, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.5269, 21.8338, 2.0256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 22, 0) }
```

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

```
.background{ background-color: rgb(255, 22,  
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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