

Converting Colors

XYZ(41.6290, 22.0380, 2.0597)

Have a look what the booklet for
XYZ(41.6290, 22.0380, 2.0597)
contains.

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Color

**XYZ(41.6319, 22.0439,
2.0606)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1B00
RGB	255, 27, 0
RGB Percent	100%, 11%, 0%
CMY	0.0000, 0.8940, 1.0000
CMYK	0.00, 0.89, 1.00, 0.00
HSL	6°, 100%, 50%
HSV	6°, 100%, 100%
XYZ	41.6319, 22.0439, 2.0606
YIQ	92.0940, 144.5550, 39.9390

Conversions

Conversions Part 2

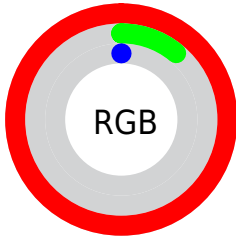
Format	Color
RYB	255, 30, 0
Decimal	16718592
CIELab	54.07, 77.68, 67.52
CIELCh	54, 102.923, 40.997
Yxy	22.0439, 0.6333, 0.3353
Android (android.graphics.Color)	4294908672 (0xFFFF1B00)
YUV	92.0940, -45.4023, 142.8686
Hunter-Lab	46.9509, 76.1138, 30.2635

Details

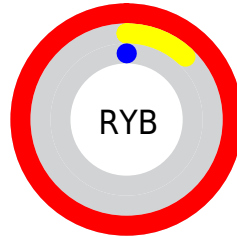
The XYZ color **41.6319, 22.0439, 2.0606** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **45.7830, 62.6864, 104.2935**, and the grayscale version is **10.2767, 10.8119, 11.7741**.

A 20% lighter version of the original color is **46.9059, 31.2867, 7.8417**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **41.6324, 22.0453, 2.0609**, and if you desaturate by 10%, it is **42.5540, 23.5990, 3.2605**.

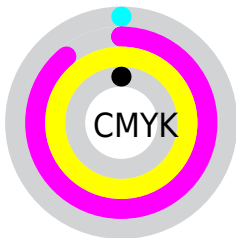
Distribution



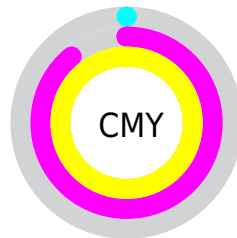
- Red (100%)
- Green (11%)
- Blue (0%)



- Red (100%)
- Yellow (12%)
- Blue (0%)



- Cyan (0%)
- Magenta (89%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (89%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6319, 22.0439, 2.0606 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 41.6319, 22.0439, 2.0606 by changing the saturation by 10% instead.

 41.6319, 22.0439,
2.0606


 41.6319, 22.0439,
2.0606


 343.9724,
262.7754, 123.3108


 29.0030, 13.8892,
0.5922


 76.9109, 46.8185,
9.2058

 19.2274, 8.0436,
0.0000


 100.2917, 64.2072,
15.7655


 11.9397, 4.1229,
0.0000


 127.9872, 85.4427,
24.8746

 6.7745, 1.7425,
0.0000

 160.3627,
110.9093, 36.9517

 3.3666, 0.4510,
0.0000

 197.7837,
140.9915, 52.4154


 1.3504, 0.0000,
0.0000

 240.6153,


 0.2205, 0.0000,


176.0737, 71.6841


0.0000


 289.2231,
216.5402, 95.1763


 0.0000, 0.0000,
0.0000


 41.6319, 22.0439,
2.0606


 41.6319, 22.0439,
2.0606


 41.6324, 22.0453,
2.0609

 42.5540, 23.5990,
3.2605

 44.1953, 26.2152,
5.8626

 46.6921, 30.0497,
10.2681

 50.1424, 35.2281,
16.7272

 54.6305, 41.8601,
25.4502

60.2315, 50.0440,
36.6216

67.0134, 59.8696,
50.4068

75.0389, 71.4200,
66.9567

84.3659, 84.7722,
86.4107

Harmonies

Analogous

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



49.7948, 22.0439, 14.0995



41.6319, 22.0439, 2.0606



28.7291, 22.0439, 0.0000

Triad

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



41.6319, 22.0439, 2.0606



6.5247, 22.0439, 9.0562



25.3090, 22.0439, 148.6093

Complementary

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



41.6319, 22.0439, 2.0606



45.7830, 62.6864, 104.2935

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.



14.7228, 22.0439, 141.2590



41.6319, 22.0439, 2.0606



6.1755, 22.0439, 37.7074

Square

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



41.6319, 22.0439, 2.0606



9.8080, 22.0439, 1.0924



8.5875, 22.0439, 90.9212



38.3781, 22.0439, 106.4474

Rectangle

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



41.6319, 22.0439, 2.0606



20.5817, 22.0439, 0.0000



8.5875, 22.0439, 90.9212



21.3268, 22.0439, 152.4077

Sweetspot

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



41.6324, 22.0453, 2.0609



67.0141, 59.8702, 50.4073



55.4523, 26.9449, 76.7728



13.7000, 11.8840, 9.4748



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.



41.6324, 22.0453, 2.0609



41.6328, 22.0455, 2.0609



52.6307, 44.0420, 5.7270



18.1643, 18.2968, 18.7186



21.8039, 11.6190, 1.0935



2.1715, 1.2284, 0.1226

Inverse Universe

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



45.7830, 62.6864, 104.2935



45.7835, 62.6870, 104.2945



22.8012, 16.7226, 96.6329



18.3807, 20.1329, 23.1672



23.9893, 32.8882, 54.5183



2.3810, 3.2927, 5.3233

Previews

White Background



This preview shows how the XYZ color 41.6319, 22.0439, 2.0606 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 41.6319, 22.0439, 2.0606

Background



This preview shows how black text looks on a background with the XYZ color 41.6319, 22.0439, 2.0606.



This preview shows how white text looks on a background with the XYZ color 41.6319, 22.0439,

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

41.6319, 22.0439, 2.0606

Protanopia

20.0974, 22.1805, 4.5885

Deuteranopia

22.3928, 22.0584, 3.0775



Tritanopia

41.7331, 22.0843, 2.5934

Trichromacy



Original Color

41.6319, 22.0439, 2.0606

Protanomaly

24.2903, 18.3183, 2.9174

Deuteranomaly

26.5157, 18.8498, 2.2408

Tritanomaly

41.6923, 22.0680, 2.3787

Monochromacy



Original Color

41.6319, 22.0439, 2.0606

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

15.6190, 11.0293, 5.4433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6319, 22.0439, 2.0606 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, 27, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 27, 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, 27, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 27, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.6319, 22.0439, 2.0606 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, 27, 0) }
```


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

```
.border{ border-color:rgb(255, 27, 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, 27, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 27, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 27, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 27, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.6319, 22.0439, 2.0606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 27, 0) }
```

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

```
.background{ background-color: rgb(255, 27,  
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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