

Converting Colors

XYZ(41.3002, 21.3803, 1.9501)

Have a look what the booklet for
XYZ(41.3002, 21.3803, 1.9501)
contains.

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Color

**XYZ(41.3051, 21.3902,
1.9517)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0600
RGB	255, 6, 0
RGB Percent	100%, 2%, 0%
CMY	0.0000, 0.9762, 1.0000
CMYK	0.00, 0.98, 1.00, 0.00
HSL	1°, 100%, 50%
HSV	1°, 100%, 100%
XYZ	41.3051, 21.3902, 1.9517
YIQ	79.7670, 150.3300, 50.9220

Conversions

Conversions Part 2

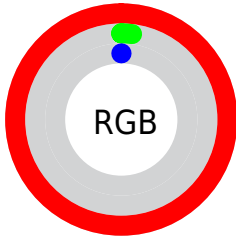
Format	Color
RYB	255, 6, 0
Decimal	16713216
CIELab	53.37, 79.70, 67.27
CIElCh	53, 104.294, 40.165
Yxy	21.3902, 0.6389, 0.3309
Android (android.graphics.Color)	4294903296 (0xFFFF0600)
YUV	79.7670, -39.3251, 153.6793
Hunter-Lab	46.2495, 78.4802, 29.8727

Details

The XYZ color **41.3051, 21.3902, 1.9517** 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 **51.9042, 74.9287, 106.3340**, and the grayscale version is **7.6406, 8.0385, 8.7540**.

A 20% lighter version of the original color is **46.3971, 30.3111, 7.5429**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **41.3055, 21.3916, 1.9519**, and if you desaturate by 10%, it is **41.9096, 22.3102, 3.0457**.

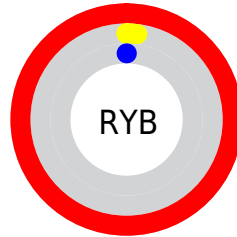
Distribution



Red (100%)

Green (2%)

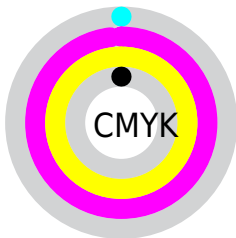
Blue (0%)



Red (100%)

Yellow (2%)

Blue (0%)

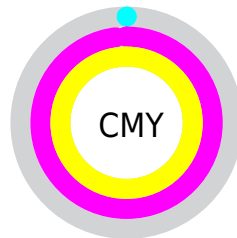


Cyan (0%)

Magenta (98%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (98%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3051, 21.3902, 1.9517 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 41.3051, 21.3902, 1.9517 by changing the saturation by 10% instead.


 41.3051, 21.3902,
1.9517


 41.3051, 21.3902,
1.9517


 342.6350,
259.3450, 121.6222


 28.7463, 13.4095,
0.5253


 76.4186, 45.7360,
8.9083


 19.0323, 7.7111,
0.0000


 99.7040, 62.8700,
15.3389

 11.7978, 3.9107,
0.0000


 127.2957, 83.8238,
24.2957

 6.6773, 1.6237,
0.0000

 159.5589,
108.9819, 36.1973

 3.3057, 0.3735,
0.0000

 196.8591,
138.7287, 51.4622


 1.3174, 0.0000,
0.0000

 239.5616,


 0.1962, 0.0000,


173.4485, 70.5090


0.0000


 288.0318,
213.5258, 93.7561


 0.0000, 0.0000,
0.0000


 41.3051, 21.3902,
1.9517


 41.3051, 21.3902,
1.9517


 41.3055, 21.3916,
1.9519

 41.9096, 22.3102,
3.0457

 43.2444, 24.3132,
5.5458

 45.4854, 27.6362,
9.8661

 48.7552, 32.4535,
16.2651

 53.1571, 38.9132,
24.9595

■ 58.7822, 47.1452,
36.1391

■ 65.7121, 57.2666,
49.9737

■ 74.0214, 69.3847,
66.6183

■ 83.7792, 83.5983,
86.2161

Harmonies

Analogous

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



49.2807, 21.3902, 14.1080



41.3051, 21.3902, 1.9517



28.4368, 21.3902, 0.0000

Triad

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



41.3051, 21.3902, 1.9517



6.1673, 21.3902, 8.1310



24.3209, 21.3902, 149.4499

Complementary

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



41.3051, 21.3902, 1.9517



51.9042, 74.9287, 106.3340

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.



13.9331, 21.3902, 140.4576



41.3051, 21.3902, 1.9517



5.7576, 21.3902, 35.7817

Square

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



41.3051, 21.3902, 1.9517



9.4651, 21.3902, 0.8616



8.0222, 21.3902, 88.8280



37.3696, 21.3902, 107.7610

Rectangle

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



41.3051, 21.3902, 1.9517



20.2696, 21.3902, 0.0000



8.0222, 21.3902, 88.8280



20.3920, 21.3902, 152.7755

Sweetspot

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



41.3055, 21.3916, 1.9520



65.7122, 57.2665, 49.9733



58.6127, 28.2091, 93.4152



13.4046, 11.2932, 9.3764



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.



41.3055, 21.3916, 1.9520



41.3059, 21.3917, 1.9520



49.4571, 37.6947, 4.6692



18.0440, 18.0562, 18.6785



21.5982, 11.2076, 1.0249



2.1146, 1.1146, 0.1037

Inverse Universe

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



51.9042, 74.9287, 106.3340



51.9046, 74.9293, 106.3349



25.1639, 21.4480, 97.4206



18.5156, 20.4029, 23.2122



27.1380, 39.1856, 55.5678



2.6536, 3.8380, 5.4142

Previews

White Background



This preview shows how the XYZ color 41.3051, 21.3902, 1.9517 looks on a white background.

Color Contrast Check

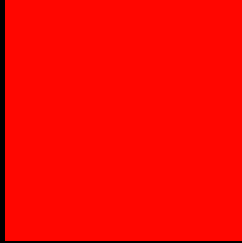
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.3051, 21.3902, 1.9517 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 41.3051, 21.3902, 1.9517

Background



This preview shows how black text looks on a background with the XYZ color 41.3051, 21.3902, 1.9517.



This preview shows how white text looks on a background with the XYZ color 41.3051, 21.3902,

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

41.3051, 21.3902, 1.9517

Protanopia

19.8018, 21.8301, 4.6088

Deuteranopia

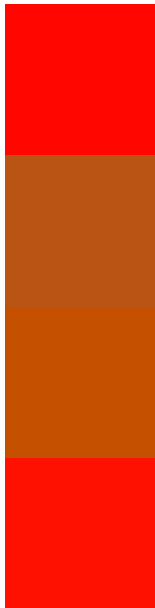
21.8598, 21.6004, 3.0172



Tritanopia

40.8346, 21.5359, 2.0046

Trichromacy



Original Color

41.3051, 21.3902, 1.9517

Protanomaly

23.3133, 16.7091, 2.7059

Deuteranomaly

25.6336, 17.4731, 2.0216

Tritanomaly

41.0735, 21.4717, 1.9796

Monochromacy



Original Color

41.3051, 21.3902, 1.9517

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

13.3722, 8.7145, 4.1092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3051, 21.3902, 1.9517 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, 6, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 6, 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, 6, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 6, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.3051, 21.3902, 1.9517 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, 6, 0) }
```


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

```
.border{ border-color:rgb(255, 6, 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, 6, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 6, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(255, 6, 0); box-shadow:4px  
4px 4px 4px rgb(255, 6, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3051, 21.3902, 1.9517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 6, 0) }
```

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

```
.background{ background-color: rgb(255, 6,  
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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