

Converting Colors

XYZ(40.9594, 21.3235, 1.9571)

Have a look what the booklet for
XYZ(40.9594, 21.3235, 1.9571)
contains.

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Color

**XYZ(41.0170, 21.3587,
1.9608)**

Conversions

Conversions Part 1

Format	Color
Hex	FE0D00
RGB	254, 13, 0
RGB Percent	100%, 5%, 0%
CMY	0.0039, 0.9488, 1.0000
CMYK	0.00, 0.95, 1.00, 0.00
HSL	3°, 100%, 50%
HSV	3°, 100%, 100%
XYZ	41.0170, 21.3587, 1.9608
YIQ	83.5770, 147.8090, 47.0490

Conversions

Conversions Part 2

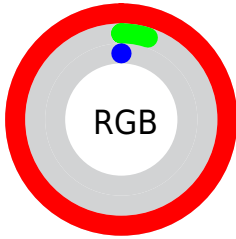
Format	Color
RYB	254, 14, 0
Decimal	16649472
CIELab	53.34, 78.96, 67.13
CIELCh	53, 103.642, 40.368
Yxy	21.3587, 0.6375, 0.3320
Android (android.graphics.Color)	4294839552 (0xFFFE0D00)
YUV	83.5770, -41.2035, 149.4610
Hunter-Lab	46.2155, 77.5446, 29.8353

Details

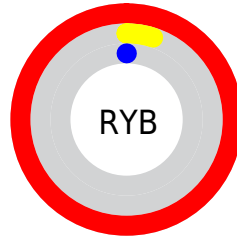
The XYZ color **41.0170, 21.3587, 1.9608** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **49.3267, 70.0305, 104.6827**, and the grayscale version is **8.4073, 8.8451, 9.6323**.

A 20% lighter version of the original color is **46.4913, 30.4994, 7.5743**, and **20.2497, 10.4391, 0.9477** is the 20% darker color. If you saturate the color by 10%, you get **41.0174, 21.3600, 1.9610**, and if you desaturate by 10%, it is **41.7190, 22.4754, 3.0819**.

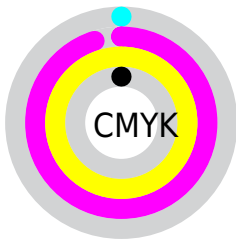
Distribution



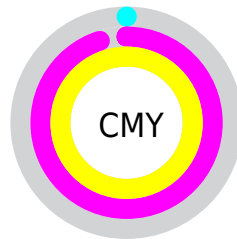
- Red (100%)
- Green (5%)
- Blue (0%)



- Red (100%)
- Yellow (5%)
- Blue (0%)



- Cyan (0%)
- Magenta (95%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (95%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 41.0170, 21.3587, 1.9608 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 41.0170, 21.3587, 1.9608 by changing the saturation by 10% instead.


 41.0170, 21.3587,
1.9608


 41.0170, 21.3587,
1.9608


 341.4530,
259.1787, 121.7651


 28.5201, 13.3865,
0.5310


 75.9842, 45.6838,
8.9333

 18.8605, 7.6952,
0.0000


 99.1853, 62.8053,
15.3749


 11.6730, 3.9005,
0.0000


 126.6851, 83.7455,
24.3446

 6.5920, 1.6181,
0.0000

 158.8490,
108.8886, 36.2610

 3.2523, 0.3697,
0.0000

 196.0424,
138.6191, 51.5427

 1.2886, 0.0000,
0.0000

 238.6307,


 0.1746, 0.0000,


173.3214, 70.6083


0.0000


 286.9791,
213.3798, 93.8762


 0.0000, 0.0000,
0.0000


 41.0170, 21.3587,
1.9608


 41.0170, 21.3587,
1.9608


 41.0174, 21.3600,
1.9610

 41.7190, 22.4754,
3.0819

 43.1480, 24.6720,
5.5971

 45.4598, 28.1464,
9.9110

 48.7666, 33.0528,
16.2764

 53.1639, 39.5237,
24.9057

■ 58.7360, 47.6766,
35.9849

■ 65.5590, 57.6177,
49.6806

■ 73.7023, 69.4444,
66.1449

■ 83.2306, 83.2470,
85.5182

Harmonies

Analogous

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



48.9670, 21.3587, 13.9807



41.0170, 21.3587, 1.9608



28.2551, 21.3587, 0.0000

Triad

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



41.0170, 21.3587, 1.9608



6.1988, 21.3587, 8.2792



24.3438, 21.3587, 147.9103

Complementary

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



41.0170, 21.3587, 1.9608



49.3267, 70.0305, 104.6827

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.



13.9999, 21.3587, 139.4000



41.0170, 21.3587, 1.9608



5.8071, 21.3587, 35.9280

Square

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



41.0170, 21.3587, 1.9608



9.4643, 21.3587, 0.9089



8.0870, 21.3587, 88.5449



37.2819, 21.3587, 106.4775

Rectangle

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



41.0170, 21.3587, 1.9608



20.1654, 21.3587, 0.0000



8.0870, 21.3587, 88.5449



20.4368, 21.3587, 151.3221

Sweetspot

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



41.0174, 21.3601, 1.9611



66.1430, 58.1282, 50.1169



56.7947, 27.4395, 85.7566



13.5021, 11.4881, 9.4089



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.



41.0174, 21.3601, 1.9611



41.3853, 21.5507, 1.9784



50.2071, 39.7393, 5.0243



18.0843, 18.1367, 18.6919



21.6555, 11.3223, 1.0440



2.1337, 1.1528, 0.1101

Inverse Universe

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



49.3267, 70.0305, 104.6827



49.7691, 70.6581, 105.6230



23.9405, 19.2582, 96.2206



18.4701, 20.3119, 23.1971



26.0402, 36.9900, 55.2019



2.5590, 3.6487, 5.3827

Previews

White Background



This preview shows how the XYZ color 41.0170, 21.3587, 1.9608 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 41.0170, 21.3587, 1.9608 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 41.0170, 21.3587, 1.9608

Background



This preview shows how black text looks on a background with the XYZ color 41.0170, 21.3587, 1.9608.



This preview shows how white text looks on a background with the XYZ color 41.0170, 21.3587,

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

41.0170, 21.3587, 1.9608

Protanopia

19.6264, 21.7396, 4.6006

Tritanopia

40.8144, 21.4954, 1.9979

Trichromacy



Original Color

41.0170, 21.3587, 1.9608

Protanomaly

23.3107, 17.0609, 2.7739

Tritanomaly

40.7409, 21.3484, 1.9734

Monochromacy



Original Color

41.0170, 21.3587, 1.9608

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

14.0097, 9.3941, 4.4430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0170, 21.3587, 1.9608 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(254, 13, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 13, 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(254, 13, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 13, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.0170, 21.3587, 1.9608 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(254, 13, 0) }
```

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

```
.border{ border-color:rgb(254, 13, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 13, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 13, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 13, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 13, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 41.0170, 21.3587, 1.9608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 13, 0) }
```

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

```
.background{ background-color: rgb(254, 13,  
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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