

Converting Colors

XYZ(40.0010, 21.1578, 2.1040)

Have a look what the booklet for
XYZ(40.0010, 21.1578, 2.1040)
contains.

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Color

**XYZ(40.1750, 21.2568,
2.1004)**

Conversions

Conversions Part 1

Format	Color
Hex	FB1A04
RGB	251, 26, 4
RGB Percent	98%, 10%, 2%
CMY	0.0157, 0.8979, 0.9843
CMYK	0.00, 0.90, 0.98, 0.02
HSL	5°, 97%, 50%
HSV	5°, 98%, 98%
XYZ	40.1750, 21.2568, 2.1004
YIQ	90.7670, 141.1620, 40.8580

Conversions

Conversions Part 2

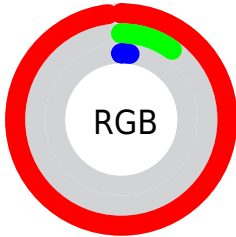
Format	Color
RYB	251, 28, 4
Decimal	16456196
CIELab	53.23, 76.84, 65.72
CIELCh	53, 101.111, 40.542
Yxy	21.2568, 0.6324, 0.3346
Android (android.graphics.Color)	4294646276 (0xFFFB1A04)
YUV	90.7670, -42.7761, 140.5243
Hunter-Lab	46.1051, 74.8572, 29.5725

Details

The XYZ color **40.1750, 21.2568, 2.1004** 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 **45.4728, 63.0112, 101.0318**, and the grayscale version is **9.9666, 10.4856, 11.4189**.

A 20% lighter version of the original color is **46.8337, 31.0997, 7.9493**, and **19.7672, 10.1903, 0.9251** is the 20% darker color. If you saturate the color by 10%, you get **40.0778, 21.0979, 1.9600**, and if you desaturate by 10%, it is **41.1003, 22.7862, 3.4010**.

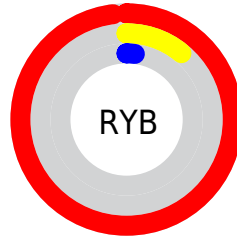
Distribution



Red (98%)

Green (10%)

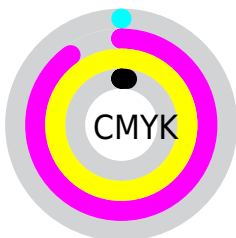
Blue (2%)



Red (98%)

Yellow (11%)

Blue (2%)

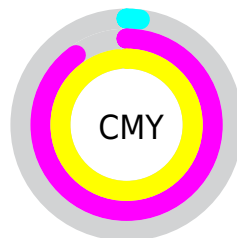


Cyan (0%)

Magenta (90%)

Yellow (98%)

Black (2%)



Cyan (2%)


Magenta (90%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1750, 21.2568, 2.1004 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 40.1750, 21.2568, 2.1004 by changing the saturation by 10% instead.


 40.1750, 21.2568,
2.1004

 40.1750, 21.2568,
2.1004


337.9824,
258.6401, 123.9168


 27.8598, 13.3118,
0.6160


 74.7126, 45.5145,
9.3135

 18.3599, 7.6436,
0.0000


 97.6657, 62.5961,
15.9196


 11.3100, 3.8678,
0.0000


 124.8955, 83.4920,
25.0833

 6.3445, 1.5999,
0.0000

 156.7674,
108.5866, 37.2233

 3.0983, 0.3575,
0.0000

 193.6466,
138.2643, 52.7582

 1.2060, 0.0000,
0.0000

 235.8986,


 0.1111, 0.0000,


172.9095, 72.1063


0.0000


 283.8888,
212.9067, 95.6864


 0.0000, 0.0000,
0.0000

 40.1750, 21.2568,
2.1004


 40.1750, 21.2568,
2.1004

 40.0778, 21.0979,
1.9600

 41.1003, 22.7862,
3.4010

 42.7556, 25.3806,
6.1605

 45.2635, 29.1937,
10.7042

 48.7197, 34.3511,
17.2666

 53.2070, 40.9630,
26.0466

■ 58.7992, 49.1279,
37.2189

■ 65.5631, 58.9359,
50.9411

■ 73.5603, 70.4702,
67.3573

■ 82.8482, 83.8081,
86.6005

Harmonies

Analogous

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



47.8680, 21.2568, 13.9656



40.1750, 21.2568, 2.1004



27.8467, 21.2568, 0.0000

Triad

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



40.1750, 21.2568, 2.1004



6.3671, 21.2568, 8.5604



24.1992, 21.2568, 142.4971

Complementary

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



40.1750, 21.2568, 2.1004



45.4728, 63.0112, 101.0318

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.



14.1056, 21.2568, 134.6941



40.1750, 21.2568, 2.1004



5.9921, 21.2568, 35.6600

Square

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



40.1750, 21.2568, 2.1004



9.5787, 21.2568, 1.0466



8.2705, 21.2568, 86.2925



36.7096, 21.2568, 102.7914

Rectangle

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



40.1750, 21.2568, 2.1004



20.0103, 21.2568, 0.0000



8.2705, 21.2568, 86.2925



20.3988, 21.2568, 145.8491

Sweetspot

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



40.1754, 21.2582, 2.1007



66.7430, 59.3280, 50.3169



54.1682, 26.3325, 77.3973



13.6383, 11.7605, 9.4543



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.



40.1754, 21.2582, 2.1007



41.5414, 21.8627, 2.0305



50.4083, 41.7240, 5.5117



17.3691, 17.4740, 17.9198



21.1098, 11.1762, 1.0446



1.9961, 1.1170, 0.1104

Inverse Universe

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



45.4728, 63.0112, 101.0318



46.9782, 65.0764, 104.6927



22.7117, 17.4890, 93.4448



17.6257, 19.3282, 22.1870



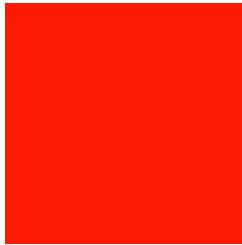
23.8802, 33.1159, 53.1070



2.2494, 3.1424, 4.9312

Previews

White Background



This preview shows how the XYZ color 40.1750, 21.2568, 2.1004 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 40.1750, 21.2568, 2.1004 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 40.1750, 21.2568, 2.1004

Background



This preview shows how black text looks on a background with the XYZ color 40.1750, 21.2568, 2.1004.



This preview shows how white text looks on a background with the XYZ color 40.1750, 21.2568,

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

40.1750, 21.2568, 2.1004

Protanopia

19.4815, 21.4719, 4.4842

Deuteranopia

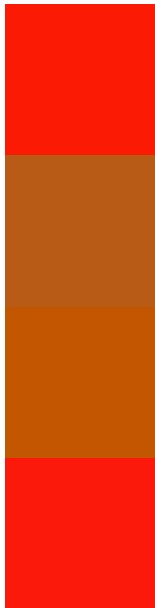
21.5353, 21.2518, 2.9670



Tritanopia

40.2175, 21.2390, 2.4318

Trichromacy



Original Color

40.1750, 21.2568, 2.1004

Protanomaly

23.4143, 17.6074, 2.9235

Deuteranomaly

25.5814, 18.1271, 2.1793

Tritanomaly

40.1917, 21.2287, 2.2958

Monochromacy



Original Color

40.1750, 21.2568, 2.1004

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

15.1910, 10.7196, 5.4061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1750, 21.2568, 2.1004 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(251, 26, 4)` looks like.

```
.text, #text, p{  
    color:rgb(251, 26, 4)  
}
```

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(251, 26, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 26, 4) }
```

Border

The CSS property to change the border of an element to XYZ 40.1750, 21.2568, 2.1004 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(251, 26, 4) }
```


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

```
.border{ border-color:rgb(251, 26, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 26, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 26, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 26, 4);  
box-shadow:4px 4px 4px 4px rgb(251, 26, 4)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.1750, 21.2568, 2.1004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 26, 4) }
```

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

```
.background{ background-color: rgb(251, 26,  
4) }
```

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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