

Converting Colors

XYZ(41.4053, 21.5906, 1.9851)

Have a look what the booklet for
XYZ(41.4053, 21.5906, 1.9851)
contains.

XYZ(41.4108, 21.6016, 1.9869)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.4108, 21.6016,
1.9869)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0F00
RGB	255, 15, 0
RGB Percent	100%, 6%, 0%
CMY	0.0000, 0.9410, 1.0000
CMYK	0.00, 0.94, 1.00, 0.00
HSL	4°, 100%, 50%
HSV	4°, 100%, 100%
XYZ	41.4108, 21.6016, 1.9869
YIQ	85.0500, 147.8550, 46.2150

Conversions

Conversions Part 2

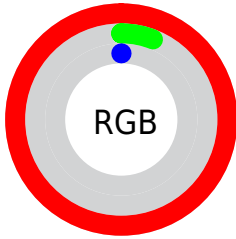
Format	Color
RYB	255, 16, 0
Decimal	16715520
CIELab	53.60, 79.04, 67.35
CIELCh	54, 103.843, 40.433
Yxy	21.6016, 0.6371, 0.3323
Android (android.graphics.Color)	4294905600 (0xFFFF0F00)
YUV	85.0500, -41.9296, 149.0462
Hunter-Lab	46.4775, 77.7053, 29.9996

Details

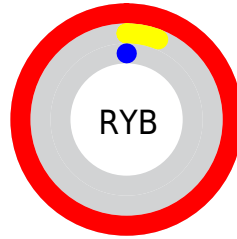
The XYZ color **41.4108, 21.6016, 1.9869** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **49.1940, 69.5082, 105.4306**, and the grayscale version is **8.7145, 9.1684, 9.9843**.

A 20% lighter version of the original color is **46.5866, 30.6901, 7.6061**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **41.4112, 21.6030, 1.9872**, and if you desaturate by 10%, it is **42.1477, 22.7864, 3.1250**.

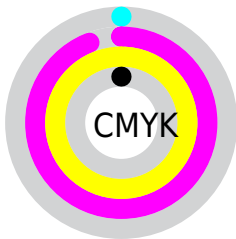
Distribution



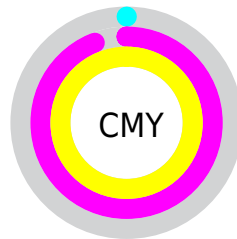
- Red (100%)
- Green (6%)
- Blue (0%)



- Red (100%)
- Yellow (6%)
- Blue (0%)



- Cyan (0%)
- Magenta (94%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (94%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4108, 21.6016, 1.9869 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 41.4108, 21.6016, 1.9869 by changing the saturation by 10% instead.


 41.4108, 21.6016,
1.9869


 41.4108, 21.6016,
1.9869


 343.0680,
260.4586, 122.1730


 28.8293, 13.5645,
0.5472


 76.5779, 46.0866,
9.0050


 19.0954, 7.8184,
0.0000


 99.8942, 63.3033,
15.4776


 11.8436, 3.9789,
0.0000


 127.5195, 84.3486,
24.4841

 6.7087, 1.6618,
0.0000

 159.8191,
109.6070, 36.4430

 3.3253, 0.3987,
0.0000

 197.1584,
139.4628, 51.7728

 1.3280, 0.0000,
0.0000

 239.9027,


 0.2041, 0.0000,


174.3004, 70.8920


0.0000


 288.4175,
214.5042, 94.2193


 0.0000, 0.0000,
0.0000


 41.4108, 21.6016,
1.9869


 41.4108, 21.6016,
1.9869


 41.4112, 21.6030,
1.9872

 42.1477, 22.7864,
3.1250

 43.6171, 25.0586,
5.6699

 45.9728, 28.6110,
10.0284

 49.3259, 33.5950,
16.4551

 53.7708, 40.1405,
25.1638

■ 59.3912, 48.3632,
36.3417

■ 66.2625, 58.3677,
50.1567

■ 74.4540, 70.2500,
66.7619

■ 84.0296, 84.0994,
86.2989

Harmonies

Analogous

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



49.4469, 21.6016, 14.1055



41.4108, 21.6016, 1.9869



28.5316, 21.6016, 0.0000

Triad

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



41.4108, 21.6016, 1.9869



6.2823, 21.6016, 8.4251



24.6396, 21.6016, 149.1715

Complementary

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



41.4108, 21.6016, 1.9869



49.1940, 69.5082, 105.4306

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.



14.1872, 21.6016, 140.7141



41.4108, 21.6016, 1.9869



5.8917, 21.6016, 36.4009

Square

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



41.4108, 21.6016, 1.9869



9.5761, 21.6016, 0.9351



8.2036, 21.6016, 89.5038



37.6955, 21.6016, 107.3296

Rectangle

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



41.4108, 21.6016, 1.9869



20.3709, 21.6016, 0.0000



8.2036, 21.6016, 89.5038



20.6933, 21.6016, 152.6512

Sweetspot

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



41.4112, 21.6030, 1.9872



66.2630, 58.3681, 50.1569



57.3041, 27.6856, 86.5243



13.5293, 11.5425, 9.4179



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.



41.4112, 21.6030, 1.9872



41.4116, 21.6032, 1.9872



50.6543, 40.0890, 5.0682



18.0954, 18.1590, 18.6956



21.6718, 11.3549, 1.0495



2.1390, 1.1633, 0.1118

Inverse Universe

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



49.1940, 69.5082, 105.4306



49.1944, 69.5088, 105.4315



24.1521, 19.4244, 97.0833



18.4576, 20.2868, 23.1929



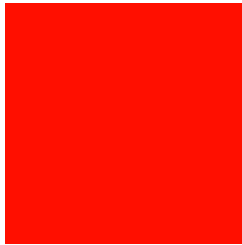
25.7447, 36.3990, 55.1034



2.5335, 3.5976, 5.3742

Previews

White Background



This preview shows how the XYZ color 41.4108, 21.6016, 1.9869 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 41.4108, 21.6016, 1.9869

Background



This preview shows how black text looks on a background with the XYZ color 41.4108, 21.6016, 1.9869.



This preview shows how white text looks on a background with the XYZ color 41.4108, 21.6016,

1.9869.

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

41.4108, 21.6016, 1.9869

Protanopia

19.8018, 21.8301, 4.6088

Deuteranopia

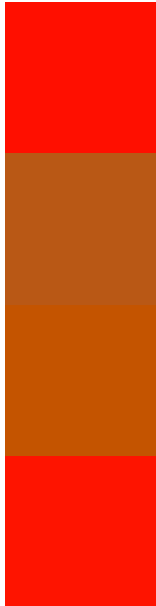
22.1872, 21.9524, 3.0679



Tritanopia

41.1794, 21.6836, 2.0150

Trichromacy



Original Color

41.4108, 21.6016, 1.9869

Protanomaly

23.6327, 17.3479, 2.8124

Deuteranomaly

25.9353, 18.0764, 2.1222

Tritanomaly

41.1232, 21.5711, 1.9962

Monochromacy



Original Color

41.4108, 21.6016, 1.9869

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

14.3143, 9.7011, 4.6081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4108, 21.6016, 1.9869 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, 15, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 15, 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, 15, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.4108, 21.6016, 1.9869 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, 15, 0) }
```


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

```
.border{ border-color:rgb(255, 15, 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, 15, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 15, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.4108, 21.6016, 1.9869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 0) }
```

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

```
.background{ background-color: rgb(255, 15,  
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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