

Converting Colors

XYZ(41.4732, 21.6012, 2.3935)

Have a look what the booklet for
XYZ(41.4732, 21.6012, 2.3935)
contains.

XYZ(41.4763, 21.6058, 2.3998)	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(41.4763, 21.6058,
2.3998)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0E0E
RGB	255, 14, 14
RGB Percent	100%, 5%, 5%
CMY	0.0000, 0.9449, 0.9451
CMYK	0.00, 0.94, 0.95, 0.00
HSL	0°, 100%, 53%
HSV	0°, 95%, 100%
XYZ	41.4763, 21.6058, 2.3998
YIQ	86.0590, 143.6360, 51.0920

Conversions

Conversions Part 2

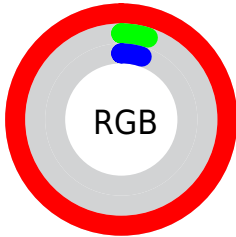
Format	Color
R _{YB}	255, 14, 14
Decimal	16715278
CIE Lab	53.61, 79.22, 63.94
CIE LCh	54, 101.803, 38.905
Yxy	21.6058, 0.6334, 0.3300
Android (android.graphics.Color)	4294905358 (0xFFFF0E0E)
YUV	86.0590, -35.5251, 148.1613
Hunter-Lab	46.4820, 77.9334, 29.4764

Details

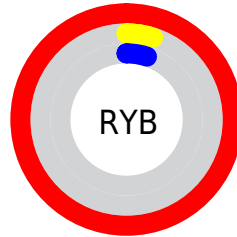
The XYZ color **41.4763, 21.6058, 2.3998** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **53.9726, 78.7966, 106.9715**, and the grayscale version is **8.9165, 9.3808, 10.2157**.

A 20% lighter version of the original color is **46.7150, 30.5889, 8.7523**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **41.2403, 21.2611, 1.9302**, and if you desaturate by 10%, it is **42.3580, 22.8973, 4.1505**.

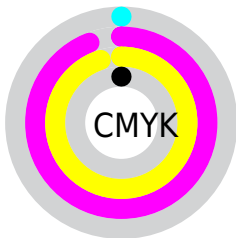
Distribution



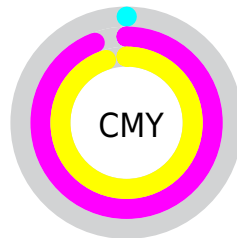
- Red (100%)
- Green (5%)
- Blue (5%)



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



- Cyan (0%)
- Magenta (94%)
- Yellow (95%)
- Black (0%)





- Cyan (0%)
- Magenta (94%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4763, 21.6058, 2.3998 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 41.4763, 21.6058, 2.3998 by changing the saturation by 10% instead.


 41.4763, 21.6058,
2.3998


 41.4763, 21.6058,
2.3998


343.3361,
260.4807, 128.3050


 28.8808, 13.5675,
0.7863


 76.6766, 46.0936,
10.1075

 19.1345, 7.8205,
0.0000


 100.0120, 63.3119,
17.0496


 11.8721, 3.9803,
0.0000


 127.6581, 84.3591,
26.6085

 6.7282, 1.6626,
0.0000

 159.9802,
109.6194, 39.2029

 3.3375, 0.3992,
0.0000

 197.3437,
139.4773, 55.2511

 1.3347, 0.0000,
0.0000

 240.1139,


 0.2089, 0.0000,


174.3173, 75.1719


0.0000


 288.6563,
214.5236, 99.3837


 0.0000, 0.0000,
0.0000

 41.4763, 21.6058,
2.3998


 41.4763, 21.6058,
2.3998

 41.2403, 21.2611,
1.9302

 42.3580, 22.8973,
4.1505

 44.0868, 25.4275,
7.5857

 46.8085, 29.4105,
12.9950

 50.6415, 35.0196,
20.6140

 55.6878, 42.4039,
30.6453

■ 62.0377, 51.6956,
43.2686

■ 69.7730, 63.0143,
58.6467

■ 78.9688, 76.4700,
76.9289

■ 89.6949, 92.1646,
98.2538

Harmonies

Analogous

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



48.8844, 21.6058, 15.4212



41.4763, 21.6058, 2.3998



29.0155, 21.6058, 0.0000

Triad

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



41.4763, 21.6058, 2.3998



6.5551, 21.6058, 7.8870



23.9446, 21.6058, 146.0857

Complementary

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



41.4763, 21.6058, 2.3998



53.9726, 78.7966, 106.9715

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.



13.8935, 21.6058, 135.2492



41.4763, 21.6058, 2.3998



6.0330, 21.6058, 34.0629

Square

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



41.4763, 21.6058, 2.3998



10.0061, 21.6058, 0.9231



8.1857, 21.6058, 84.7121



36.6606, 21.6058, 107.6341

Rectangle

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



41.4763, 21.6058, 2.3998



20.9376, 21.6058, 0.0000



8.1857, 21.6058, 84.7121



20.1389, 21.6058, 148.5001

Sweetspot

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



41.4768, 21.6072, 2.4001



66.9108, 58.8259, 52.9558



59.4465, 28.7939, 97.0315



13.6159, 11.5585, 9.9317



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.



41.4768, 21.6072, 2.4001



41.2406, 21.2613, 1.9302



49.9134, 38.4805, 5.2123



18.0098, 17.9878, 18.6671



21.5493, 11.1098, 1.0086



2.0983, 1.0820, 0.0982

Inverse Universe

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



53.9726, 78.7966, 106.9715



53.7909, 78.7018, 106.9636



26.8255, 24.5023, 97.9225



18.5546, 20.4807, 23.2252



28.1071, 41.1238, 55.8909



2.7368, 4.0043, 5.4419

Previews

White Background



This preview shows how the XYZ color 41.4763, 21.6058, 2.3998 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 41.4763, 21.6058, 2.3998 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 41.4763, 21.6058, 2.3998

Background



This preview shows how black text looks on a background with the XYZ color 41.4763, 21.6058, 2.3998.



This preview shows how white text looks on a background with the XYZ color 41.4763, 21.6058,

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

41.4763, 21.6058, 2.3998

Protanopia

19.8772, 21.8602, 5.0055

Deuteranopia

22.1872, 21.9524, 3.0679



Tritanopia

41.1794, 21.6836, 2.0150

Trichromacy



Original Color

41.4763, 21.6058, 2.3998

Protanomaly

23.6375, 17.2194, 3.2402

Deuteranomaly

25.8856, 17.9332, 2.2407

Tritanomaly

41.1506, 21.5821, 2.1405

Monochromacy



Original Color

41.4763, 21.6058, 2.3998

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

14.4641, 9.7610, 5.3967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4763, 21.6058, 2.3998 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, 14, 14)` looks like.

```
.text, #text, p{  
    color:rgb(255, 14, 14)  
}
```

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, 14, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 14, 14) }
```

Border

The CSS property to change the border of an element to XYZ 41.4763, 21.6058, 2.3998 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, 14, 14) }
```


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

```
.border{ border-color:rgb(255, 14, 14) }
```

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

Here you see how a box with a 4 pixel rgb(255, 14, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 14, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 14, 14);  
box-shadow:4px 4px 4px 4px rgb(255, 14,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4763, 21.6058, 2.3998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 14, 14) }
```

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

```
.background{ background-color: rgb(255, 14,  
14) }
```

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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