

Converting Colors

XYZ(41.5764, 21.7913, 2.4781)

Have a look what the booklet for
XYZ(41.5764, 21.7913, 2.4781)
contains.

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Color

**XYZ(41.5764, 21.7948,
2.4674)**

Conversions

Conversions Part 1

Format	Color
Hex	FF140F
RGB	255, 20, 15
RGB Percent	100%, 8%, 6%
CMY	0.0000, 0.9214, 0.9412
CMYK	0.00, 0.92, 0.94, 0.00
HSL	1°, 100%, 53%
HSV	1°, 94%, 100%
XYZ	41.5764, 21.7948, 2.4674
YIQ	89.6950, 141.6650, 48.2650

Conversions

Conversions Part 2

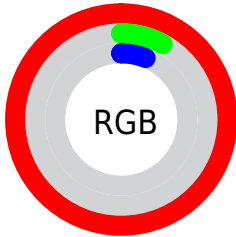
Format	Color
R _Y B	255, 20, 15
Decimal	16716815
CIE Lab	53.81, 78.65, 63.76
CIE LCh	54, 101.253, 39.031
Yxy	21.7948, 0.6315, 0.3310
Android (android.graphics.Color)	4294906895 (0xFFFF140F)
YUV	89.6950, -36.8246, 144.9725
Hunter-Lab	46.6849, 77.2690, 29.5458

Details

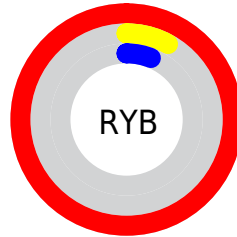
The XYZ color **41.5764, 21.7948, 2.4674** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **52.4187, 75.6651, 106.4491**, and the grayscale version is **9.7126, 10.2184, 11.1279**.

A 20% lighter version of the original color is **46.9068, 30.9726, 8.8162**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.2979, 21.3762, 1.9494**, and if you desaturate by 10%, it is **42.5700, 23.2939, 4.3049**.

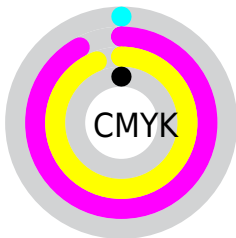
Distribution



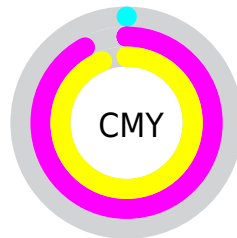
- Red (100%)
- Green (8%)
- Blue (6%)



- Red (100%)
- Yellow (8%)
- Blue (6%)



- Cyan (0%)
- Magenta (92%)
- Yellow (94%)
- Black (0%)





- Cyan (0%)
- Magenta (92%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5764, 21.7948, 2.4674 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 41.5764, 21.7948, 2.4674 by changing the saturation by 10% instead.


 41.5764, 21.7948,
2.4674


 41.5764, 21.7948,
2.4674


343.7455,
261.4728, 129.2578


 28.9594, 13.7062,
0.8228


 76.8273, 46.4066,
10.2832

 19.1942, 7.9166,
0.0000


 100.1919, 63.6986,
17.2983

 11.9156, 4.0416,
0.0000


 127.8698, 84.8272,
26.9430

 6.7580, 1.6969,
0.0000

 160.2263,
110.1768, 39.6357

 3.3562, 0.4216,
0.0000

 197.6268,
140.1317, 55.7949


 1.3448, 0.0000,
0.0000

 240.4366,


 0.2164, 0.0000,


175.0764, 75.8394


0.0000


 289.0210,
215.3953, 100.1875


 0.0000, 0.0000,
0.0000


 41.5764, 21.7948,
2.4674


 41.5764, 21.7948,
2.4674


 41.2979, 21.3762,
1.9494

 42.5700, 23.2939,
4.3049

 44.4115, 26.0300,
7.8378

 47.2361, 30.1967,
13.3499

 51.1550, 35.9531,
21.0731

 56.2645, 43.4372,
31.2072

■ 62.6501, 52.7720,
43.9297

■ 70.3898, 64.0696,
59.4016

■ 79.5551, 77.4328,
77.7706

■ 90.2126, 92.9576,
99.1741

Harmonies

Analogous

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



48.9923, 21.7948, 15.5167



41.5764, 21.7948, 2.4674



29.1364, 21.7948, 0.0000

Triad

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



41.5764, 21.7948, 2.4674



6.6812, 21.7948, 8.1029



24.1743, 21.7948, 145.6314

Complementary

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



41.5764, 21.7948, 2.4674



52.4187, 75.6651, 106.4491

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.



14.0966, 21.7948, 135.0900



41.5764, 21.7948, 2.4674



6.1656, 21.7948, 34.4278

Square

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



41.5764, 21.7948, 2.4674



10.1396, 21.7948, 0.9873



8.3469, 21.7948, 84.9557



36.8724, 21.7948, 107.2803

Rectangle

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



41.5764, 21.7948, 2.4674



21.0710, 21.7948, 0.0000



8.3469, 21.7948, 84.9557



20.3636, 21.7948, 148.1051

Sweetspot

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



41.5769, 21.7962, 2.4677



67.2198, 59.4439, 53.0588



58.8230, 28.5665, 93.6797



13.6865, 11.6996, 9.9552



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.



41.5769, 21.7962, 2.4677



41.2982, 21.3763, 1.9494



50.5585, 39.7595, 5.4616



18.0400, 18.0481, 18.6772



21.5924, 11.1961, 1.0230



2.1127, 1.1107, 0.1030

Inverse Universe

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



52.4187, 75.6651, 106.4491



52.1242, 75.3684, 106.4081



26.3631, 23.5540, 97.7639



18.5202, 20.4120, 23.2137



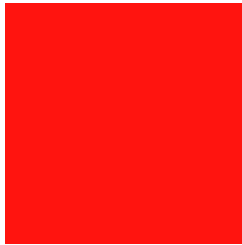
27.2509, 39.4113, 55.6055



2.6633, 3.8574, 5.4174

Previews

White Background



This preview shows how the XYZ color 41.5764, 21.7948, 2.4674 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 41.5764, 21.7948, 2.4674

Background



This preview shows how black text looks on a background with the XYZ color 41.5764, 21.7948, 2.4674.



This preview shows how white text looks on a background with the XYZ color 41.5764, 21.7948,

2.4674.

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

41.5764, 21.7948, 2.4674

Protanopia

20.0095, 22.1249, 5.0496

Deuteranopia

22.1872, 21.9524, 3.0679



Tritanopia

41.5464, 21.8728, 2.0321

Trichromacy



Original Color

41.5764, 21.7948, 2.4674

Protanomaly

23.8981, 17.7204, 3.3891

Deuteranomaly

26.1201, 18.4023, 2.3189

Tritanomaly

41.5543, 21.8448, 2.1699

Monochromacy



Original Color

41.5764, 21.7948, 2.4674

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

15.3652, 10.6235, 5.9433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5764, 21.7948, 2.4674 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, 20, 15)` looks like.

```
.text, #text, p{  
    color:rgb(255, 20, 15)  
}
```

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, 20, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 20, 15) }
```

Border

The CSS property to change the border of an element to XYZ 41.5764, 21.7948, 2.4674 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, 20, 15) }
```


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

```
.border{ border-color:rgb(255, 20, 15) }
```

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

Here you see how a box with a 4 pixel rgb(255, 20, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 20, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 20, 15);  
box-shadow:4px 4px 4px 4px rgb(255, 20,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5764, 21.7948, 2.4674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 20, 15) }
```

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

```
.background{ background-color: rgb(255, 20,  
15) }
```

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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