

Converting Colors

XYZ(41.5487, 21.6837, 2.6301)

Have a look what the booklet for
XYZ(41.5487, 21.6837, 2.6301)
contains.

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Color

**XYZ(41.5428, 21.6776,
2.6107)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1013
RGB	255, 16, 19
RGB Percent	100%, 6%, 7%
CMY	0.0000, 0.9370, 0.9255
CMYK	0.00, 0.94, 0.93, 0.00
HSL	359°, 100%, 53%
HSV	359°, 94%, 100%
XYZ	41.5428, 21.6776, 2.6107
YIQ	87.8030, 141.4810, 51.6010

Conversions

Conversions Part 2

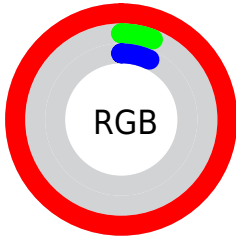
Format	Color
R _Y B	255, 16, 19
Decimal	16715795
CIE Lab	53.68, 79.09, 62.47
CIE LCh	54, 100.788, 38.304
Yxy	21.6776, 0.6311, 0.3293
Android (android.graphics.Color)	4294905875 (0xFFFF1013)
YUV	87.8030, -33.9199, 146.6318
Hunter-Lab	46.5592, 77.7893, 29.2669

Details

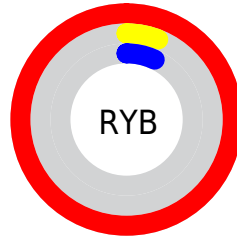
The XYZ color **41.5428, 21.6776, 2.6107** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **53.5533, 78.6616, 104.4996**, and the grayscale version is **9.2890, 9.7728, 10.6426**.

A 20% lighter version of the original color is **46.9027, 30.8165, 9.2705**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.2569, 21.2667, 2.0207**, and if you desaturate by 10%, it is **42.5100, 23.0675, 4.6131**.

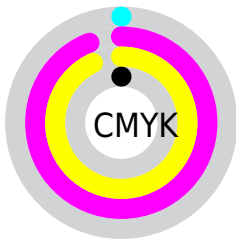
Distribution



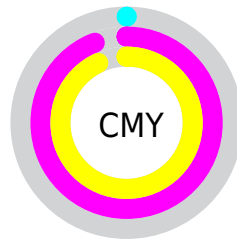
- Red (100%)
- Green (6%)
- Blue (7%)



- Red (100%)
- Yellow (6%)
- Blue (7%)



- Cyan (0%)
- Magenta (94%)
- Yellow (93%)
- Black (0%)





- Cyan (0%)
- Magenta (94%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5428, 21.6776, 2.6107 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 41.5428, 21.6776, 2.6107 by changing the saturation by 10% instead.


 41.5428, 21.6776,
2.6107


 41.5428, 21.6776,
2.6107


343.6081,
260.8580, 131.2365


 28.9330, 13.6202,
0.8980


 76.7767, 46.2126,
10.6517


 19.1742, 7.8570,
0.0000


 100.1315, 63.4589,
17.8185


 11.9010, 4.0036,
0.0000


 127.7988, 84.5370,
27.6410

 6.7480, 1.6756,
0.0000

 160.1437,
109.8313, 40.5376

 3.3499, 0.4078,
0.0000

 197.5318,
139.7261, 56.9269


 1.3414, 0.0000,
0.0000

 240.3283,


 0.2139, 0.0000,


174.6059, 77.2275


0.0000


 288.8986,
214.8551, 101.8578


 0.0000, 0.0000,
0.0000


 41.5428, 21.6776,
2.6107


 41.5428, 21.6776,
2.6107

 41.2569, 21.2667,
2.0207

 42.5100, 23.0675,
4.6131

 44.3357, 25.7147,
8.3175

 47.1603, 29.8285,
13.9929

 51.0988, 35.5790,
21.8615

 56.2505, 43.1132,
32.1156

■ 62.7038, 52.5619,
44.9268

■ 70.5387, 64.0435,
60.4505

■ 79.8291, 77.6668,
78.8302

■ 90.6432, 93.5330,
100.1989

Harmonies

Analogous

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



48.6972, 21.6776, 16.0216



41.5428, 21.6776, 2.6107



29.2623, 21.6776, 0.0000

Triad

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



41.5428, 21.6776, 2.6107



6.7161, 21.6776, 7.7495



23.7470, 21.6776, 144.6771

Complementary

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



41.5428, 21.6776, 2.6107



53.5533, 78.6616, 104.4996

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.



13.8479, 21.6776, 132.9976



41.5428, 21.6776, 2.6107



6.1404, 21.6776, 33.2636

Square

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



41.5428, 21.6776, 2.6107



10.2362, 21.6776, 0.9414



8.2371, 21.6776, 82.8862



36.3196, 21.6776, 107.6396

Rectangle

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



41.5428, 21.6776, 2.6107



21.2240, 21.6776, 0.0000



8.2371, 21.6776, 82.8862



19.9961, 21.6776, 146.6850

Sweetspot

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



41.5433, 21.6790, 2.6110



66.9997, 58.8559, 53.4410



58.0255, 28.1044, 96.9733



13.6362, 11.5653, 10.0424



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.



41.5433, 21.6790, 2.6110



41.2572, 21.2669, 2.0207



49.5231, 37.6764, 5.1544



18.0185, 17.9907, 18.7146



21.5617, 11.1140, 1.0765



2.1024, 1.0833, 0.1209

Inverse Universe

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



41.5433, 21.6790, 2.6110



41.2572, 21.2669, 2.0207



27.5709, 25.9434, 98.1613



18.0185, 17.9907, 18.7146



21.5617, 11.1140, 1.0765



2.1024, 1.0833, 0.1209

Previews

White Background



This preview shows how the XYZ color 41.5428, 21.6776, 2.6107 looks on a white background.

Color Contrast Check

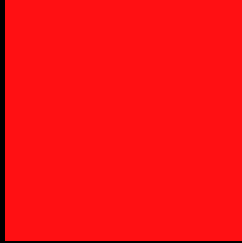
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.5428, 21.6776, 2.6107 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 41.5428, 21.6776, 2.6107

Background



This preview shows how black text looks on a background with the XYZ color 41.5428, 21.6776, 2.6107.



This preview shows how white text looks on a background with the XYZ color 41.5428, 21.6776,

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

41.5428, 21.6776, 2.6107

Protanopia

19.9275, 21.8804, 5.2709

Deuteranopia

22.1872, 21.9524, 3.0679



Tritanopia

41.1794, 21.6836, 2.0150

Trichromacy



Original Color

41.5428, 21.6776, 2.6107

Protanomaly

23.7718, 17.4035, 3.5451

Deuteranomaly

25.9736, 18.0918, 2.3241

Tritanomaly

41.1616, 21.5865, 2.1982

Monochromacy



Original Color

41.5428, 21.6776, 2.6107

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

15.0143, 10.1937, 5.8789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5428, 21.6776, 2.6107 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, 16, 19)` looks like.

```
.text, #text, p{  
    color:rgb(255, 16, 19)  
}
```

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, 16, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 16, 19) }
```

Border

The CSS property to change the border of an element to XYZ 41.5428, 21.6776, 2.6107 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, 16, 19) }
```


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

```
.border{ border-color:rgb(255, 16, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 16, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 16, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 16, 19);  
box-shadow:4px 4px 4px 4px rgb(255, 16,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5428, 21.6776, 2.6107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 16, 19) }
```

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

```
.background{ background-color: rgb(255, 16,  
19) }
```

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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