

Converting Colors

XYZ(41.5122, 21.5822, 2.7059)

Have a look what the booklet for
XYZ(41.5122, 21.5822, 2.7059)
contains.

XYZ(41.5068, 21.5771, 2.6866)	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(41.5068, 21.5771,
2.6866)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0C15
RGB	255, 12, 21
RGB Percent	100%, 5%, 8%
CMY	0.0000, 0.9527, 0.9176
CMYK	0.00, 0.95, 0.92, 0.00
HSL	358°, 100%, 52%
HSV	358°, 95%, 100%
XYZ	41.5068, 21.5771, 2.6866
YIQ	85.6830, 141.9390, 54.3150

Conversions

Conversions Part 2

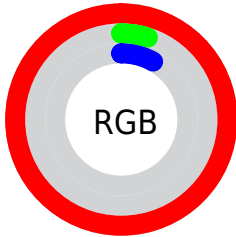
Format	Color
RYB	255, 12, 21
Decimal	16714773
CIELab	53.58, 79.45, 61.73
CIElCh	54, 100.612, 37.848
Yxy	21.5771, 0.6311, 0.3281
Android (android.graphics.Color)	4294904853 (0xFFFF0C15)
YUV	85.6830, -31.8887, 148.4910
Hunter-Lab	46.4512, 78.2106, 29.0866

Details

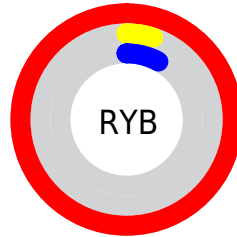
The XYZ color **41.5068, 21.5771, 2.6866** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **52.5566, 78.2557, 99.5751**, and the grayscale version is **8.8301, 9.2899, 10.1167**.

A 20% lighter version of the original color is **46.8392, 30.6386, 9.4064**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.2910, 21.2804, 2.2006**, and if you desaturate by 10%, it is **42.4035, 22.8122, 4.7081**.

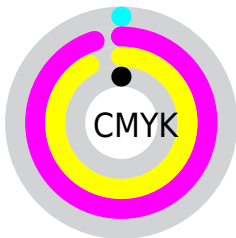
Distribution



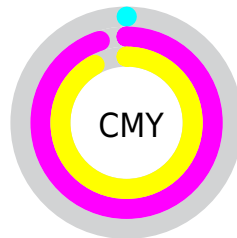
- Red (100%)
- Green (5%)
- Blue (8%)



- Red (100%)
- Yellow (5%)
- Blue (8%)



- Cyan (0%)
- Magenta (95%)
- Yellow (92%)
- Black (0%)





- Cyan (0%)
- Magenta (95%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5068, 21.5771, 2.6866 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 41.5068, 21.5771, 2.6866 by changing the saturation by 10% instead.


 41.5068, 21.5771,
2.6866

 41.5068, 21.5771,
2.6866


343.4609,
260.3298, 132.2631

 28.9047, 13.5465,
0.9367


 76.7225, 46.0460,
10.8448

 19.1527, 7.8059,
0.0000


 100.0668, 63.2531,
18.0904


 11.8853, 3.9710,
0.0000


 127.7226, 84.2879,
28.0050

 6.7373, 1.6574,
0.0000

 160.0552,
109.5346, 41.0073

 3.3432, 0.3958,
0.0000

 197.4300,
139.3778, 57.5157


 1.3377, 0.0000,
0.0000

 240.2123,


 0.2112, 0.0000,


174.2018, 77.9488


0.0000


 288.7674,
214.3910, 102.7251


 0.0000, 0.0000,
0.0000


 41.5068, 21.5771,
2.6866


 41.5068, 21.5771,
2.6866


 41.2910, 21.2804,
2.2006

 42.4035, 22.8122,
4.7081

 44.1302, 25.2658,
8.3659

 46.8273, 29.1530,
13.9110

 50.6090, 34.6470,
21.5513

 55.5739, 41.8970,
31.4676

■ 61.8092, 51.0346,
43.8211

■ 69.3940, 62.1793,
58.7583

■ 78.4012, 75.4404,
76.4142

■ 88.8982, 90.9196,
96.9145

Harmonies

Analogous

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



48.5050, 21.5771, 16.3111



41.5068, 21.5771, 2.6866



29.3176, 21.5771, 0.0000

Triad

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



41.5068, 21.5771, 2.6866



6.7159, 21.5771, 7.5099



23.4579, 21.5771, 144.1880

Complementary

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



41.5068, 21.5771, 2.6866



52.5566, 78.2557, 99.5751

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.



13.6684, 21.5771, 131.7905



41.5068, 21.5771, 2.6866



6.1035, 21.5771, 32.5253

Square

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



41.5068, 21.5771, 2.6866



10.2717, 21.5771, 0.9036



8.1459, 21.5771, 81.6325



35.9591, 21.5771, 107.9142

Rectangle

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



41.5068, 21.5771, 2.6866



21.2933, 21.5771, 0.0000



8.1459, 21.5771, 81.6325



19.7430, 21.5771, 145.9110

Sweetspot

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



41.5073, 21.5785, 2.6869



66.4017, 57.7791, 52.8738



55.0933, 26.5129, 96.8206



13.5313, 11.3661, 9.9746



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.



41.5073, 21.5785, 2.6869



41.2914, 21.2806, 2.2006



48.1907, 35.0552, 4.5763



18.0364, 17.9979, 18.8091



21.5873, 11.1242, 1.2114



2.1110, 1.0868, 0.1658

Inverse Universe

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



41.5073, 21.5785, 2.6869



41.2914, 21.2806, 2.2006



28.4318, 27.7575, 98.4661



18.0364, 17.9979, 18.8091



21.5873, 11.1242, 1.2114



2.1110, 1.0868, 0.1658

Previews

White Background



This preview shows how the XYZ color 41.5068, 21.5771, 2.6866 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 41.5068, 21.5771, 2.6866

Background



This preview shows how black text looks on a background with the XYZ color 41.5068, 21.5771, 2.6866.



This preview shows how white text looks on a background with the XYZ color 41.5068, 21.5771,

2.6866.

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

41.5068, 21.5771, 2.6866

Protanopia

19.7879, 21.8042, 5.4512

Deuteranopia

22.0638, 21.7056, 3.0267



Tritanopia

41.1794, 21.6836, 2.0150

Trichromacy



Original Color

41.5068, 21.5771, 2.6866

Protanomaly

23.3983, 16.9673, 3.6319

Deuteranomaly

25.8261, 17.7879, 2.3019

Tritanomaly

41.1498, 21.5541, 2.2213

Monochromacy



Original Color

41.5068, 21.5771, 2.6866

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

14.4661, 9.6788, 5.6632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5068, 21.5771, 2.6866 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, 12, 21)` looks like.

```
.text, #text, p{  
    color:rgb(255, 12, 21)  
}
```

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, 12, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 12, 21) }
```

Border

The CSS property to change the border of an element to XYZ 41.5068, 21.5771, 2.6866 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, 12, 21) }
```


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

```
.border{ border-color:rgb(255, 12, 21) }
```

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

Here you see how a box with a 4 pixel rgb(255, 12, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 12, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 12, 21);  
box-shadow:4px 4px 4px 4px rgb(255, 12,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5068, 21.5771, 2.6866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 12, 21) }
```

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

```
.background{ background-color: rgb(255, 12,  
21) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor