

Converting Colors

XYZ(41.3396, 21.3884, 2.1815)

Have a look what the booklet for
XYZ(41.3396, 21.3884, 2.1815)
contains.

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Color

**XYZ(41.3381, 21.3861,
2.1789)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0508
RGB	255, 5, 8
RGB Percent	100%, 2%, 3%
CMY	0.0000, 0.9801, 0.9686
CMYK	0.00, 0.98, 0.97, 0.00
HSL	359°, 100%, 51%
HSV	359°, 98%, 100%
XYZ	41.3381, 21.3861, 2.1789
YIQ	80.0920, 148.0370, 53.9330

Conversions

Conversions Part 2

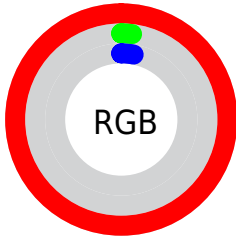
Format	Color
RYB	255, 5, 8
Decimal	16712968
CIELab	53.37, 79.82, 65.30
CIELCh	53, 103.130, 39.288
Yxy	21.3861, 0.6369, 0.3295
Android (android.graphics.Color)	4294903048 (0xFFFF0508)
YUV	80.0920, -35.5414, 153.3943
Hunter-Lab	46.2451, 78.6307, 29.5780

Details

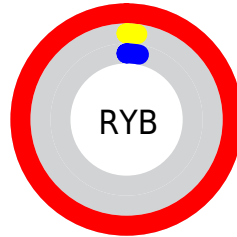
The XYZ color **41.3381, 21.3861, 2.1789** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **53.4051, 78.5849, 104.5080**, and the grayscale version is **7.6977, 8.0986, 8.8194**.

A 20% lighter version of the original color is **46.5049, 30.3542, 8.1105**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **41.2560, 21.2664, 2.0162**, and if you desaturate by 10%, it is **41.9959, 22.3286, 3.5502**.

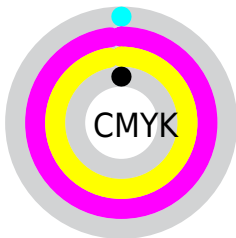
Distribution



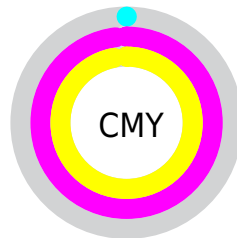
- Red (100%)
- Green (2%)
- Blue (3%)



- Red (100%)
- Yellow (2%)
- Blue (3%)



- Cyan (0%)
- Magenta (98%)
- Yellow (97%)
- Black (0%)





- Cyan (0%)
- Magenta (98%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3381, 21.3861, 2.1789 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 41.3381, 21.3861, 2.1789 by changing the saturation by 10% instead.


 41.3381, 21.3861,
2.1789


 41.3381, 21.3861,
2.1789


342.7702,
259.3233, 125.0957


 28.7722, 13.4065,
0.6622


 76.4683, 45.7292,
9.5244

 19.0520, 7.7091,
0.0000


 99.7634, 62.8616,
16.2206

 11.8121, 3.9094,
0.0000


 127.3656, 83.8136,
25.4906

 6.6871, 1.6230,
0.0000

 159.6402,
108.9698, 37.7529

 3.3118, 0.3730,
0.0000

 196.9526,
138.7144, 53.4260


 1.3207, 0.0000,
0.0000

 239.6682,


 0.1986, 0.0000,


173.4320, 72.9285


0.0000


 288.1522,
213.5068, 96.6789


 0.0000, 0.0000,
0.0000


 41.3381, 21.3861,
2.1789


 41.3381, 21.3861,
2.1789


 41.2560, 21.2664,
2.0162

 41.9959, 22.3286,
3.5502

 43.4314, 24.4049,
6.4786

 45.8096, 27.8641,
11.2705

 49.2548, 32.8904,
18.1658

 53.8724, 39.6395,
27.3687

■ 59.7550, 48.2488,
39.0592

■ 66.9862, 58.8413,
53.3997

■ 75.6423, 71.5300,
70.5386

■ 85.7939, 86.4192,
90.6134

Harmonies

Analogous

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



48.9511, 21.3861, 14.8542



41.3381, 21.3861, 2.1789



28.7099, 21.3861, 0.0000

Triad

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



41.3381, 21.3861, 2.1789



6.3179, 21.3861, 7.8183



23.9139, 21.3861, 147.6696

Complementary

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



41.3381, 21.3861, 2.1789



53.4051, 78.5849, 104.5080

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.



13.7586, 21.3861, 137.2901



41.3381, 21.3861, 2.1789



5.8336, 21.3861, 34.4234

Square

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



41.3381, 21.3861, 2.1789



9.7055, 21.3861, 0.8527



8.0070, 21.3861, 86.0452



36.7657, 21.3861, 107.9432

Rectangle

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



41.3381, 21.3861, 2.1789



20.5894, 21.3861, 0.0000



8.0070, 21.3861, 86.0452



20.0665, 21.3861, 150.3756

Sweetspot

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



41.3385, 21.3875, 2.1792



66.2089, 57.7020, 51.8587



57.8286, 27.8084, 96.9266



13.4875, 11.3486, 9.7440



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.



41.3385, 21.3875, 2.1792



41.2564, 21.2665, 2.0162



48.7118, 36.1596, 4.5578



18.0180, 17.9905, 18.7122



21.5611, 11.1137, 1.0731



2.1022, 1.0833, 0.1197

Inverse Universe

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



41.3385, 21.3875, 2.1792



41.2564, 21.2665, 2.0162



26.6663, 24.3586, 97.9031



18.0180, 17.9905, 18.7122



21.5611, 11.1137, 1.0731



2.1022, 1.0833, 0.1197

Previews

White Background



This preview shows how the XYZ color 41.3381, 21.3861, 2.1789 looks on a white background.

Color Contrast Check

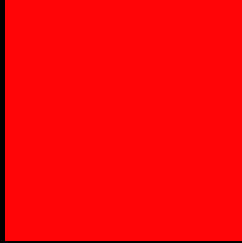
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.3381, 21.3861, 2.1789 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 41.3381, 21.3861, 2.1789

Background



This preview shows how black text looks on a background with the XYZ color 41.3381, 21.3861, 2.1789.



This preview shows how white text looks on a background with the XYZ color 41.3381, 21.3861,

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

41.3381, 21.3861, 2.1789

Protanopia

19.6406, 21.7453, 4.6755

Deuteranopia

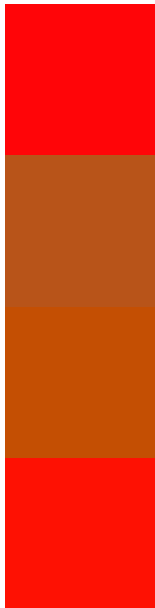
21.8598, 21.6004, 3.0172



Tritanopia

40.8346, 21.5359, 2.0046

Trichromacy



Original Color

41.3381, 21.3861, 2.1789

Protanomaly

23.1130, 16.6012, 2.9059

Deuteranomaly

25.5774, 17.3343, 2.0839

Tritanomaly

41.0899, 21.4783, 2.0662

Monochromacy



Original Color

41.3381, 21.3861, 2.1789

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

13.4406, 8.7418, 4.4690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3381, 21.3861, 2.1789 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, 5, 8)` looks like.

```
.text, #text, p{  
  color:rgb(255, 5, 8)  
}
```

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, 5, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 5, 8) }
```

Border

The CSS property to change the border of an element to XYZ 41.3381, 21.3861, 2.1789 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, 5, 8) }
```


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

```
.border{ border-color:rgb(255, 5, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 5, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 5, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(255, 5, 8); box-shadow:4px  
4px 4px 4px rgb(255, 5, 8) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3381, 21.3861, 2.1789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 5, 8) }
```

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

```
.background{ background-color: rgb(255, 5,  
8) }
```

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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