

Converting Colors

XYZ(41.2912, 21.2805, 2.1996)

Have a look what the booklet for
XYZ(41.2912, 21.2805, 2.1996)
contains.

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Color

**XYZ(41.2893, 21.2797,
2.1897)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0009
RGB	255, 0, 9
RGB Percent	100%, 0%, 4%
CMY	0.0000, 0.9997, 0.9647
CMYK	0.00, 1.00, 0.96, 0.00
HSL	358°, 100%, 50%
HSV	358°, 100%, 100%
XYZ	41.2893, 21.2797, 2.1897
YIQ	77.2710, 149.0910, 56.8590

Conversions

Conversions Part 2

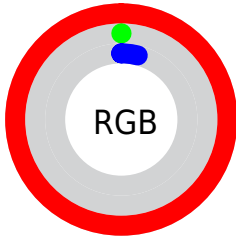
Format	Color
RYB	255, 0, 9
Decimal	16711689
CIELab	53.25, 80.17, 65.02
CIELCh	53, 103.218, 39.042
Yxy	21.2797, 0.6376, 0.3286
Android (android.graphics.Color)	4294901769 (0xFFFF0009)
YUV	77.2710, -33.6576, 155.8683
Hunter-Lab	46.1299, 79.0418, 29.4766

Details

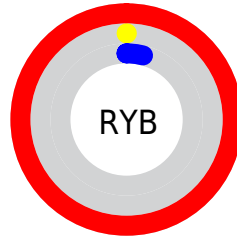
The XYZ color **41.2893, 21.2797, 2.1897** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **52.4053, 78.1777, 99.5698**, and the grayscale version is **7.1533, 7.5258, 8.1956**.

A 20% lighter version of the original color is **46.4401, 30.1796, 8.2281**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **41.2886, 21.2794, 2.1878**, and if you desaturate by 10%, it is **41.8827, 22.0930, 3.5409**.

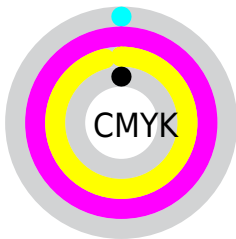
Distribution



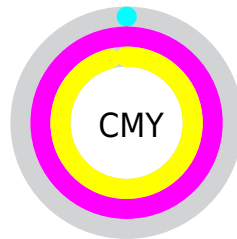
- Red (100%)
- Green (0%)
- Blue (4%)



- Red (100%)
- Yellow (0%)
- Blue (4%)



- Cyan (0%)
- Magenta (100%)
- Yellow (96%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2893, 21.2797, 2.1897 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 41.2893, 21.2797, 2.1897 by changing the saturation by 10% instead.


 41.2893, 21.2797,
2.1897


 41.2893, 21.2797,
2.1897


342.5703,
258.7612, 125.2562


 28.7339, 13.3286,
0.6684


 76.3948, 45.5526,
9.5532


 19.0229, 7.6552,
0.0000


 99.6756, 62.6431,
16.2618

 11.7909, 3.8751,
0.0000


 127.2622, 83.5490,
25.5462

 6.6726, 1.6040,
0.0000

 159.5200,
108.6545, 37.8252

 3.3027, 0.3603,
0.0000

 196.8144,
138.3441, 53.5171


 1.3158, 0.0000,
0.0000

 239.5106,


 0.1950, 0.0000,


173.0021, 73.0405


0.0000


 287.9741,
213.0131, 96.8141


 0.0000, 0.0000,
0.0000


 41.2893, 21.2797,
2.1897


 41.2893, 21.2797,
2.1897


 41.2886, 21.2794,
2.1878

 41.8827, 22.0930,
3.5409

 43.1958, 23.9413,
6.3763

 45.4180, 27.1294,
10.9904

 48.6743, 31.8469,
17.6101

 53.0701, 38.2531,
26.4288

■ 58.6975, 46.4872,
37.6172

■ 65.6396, 56.6741,
51.3291

■ 73.9719, 68.9277,
67.7053

■ 83.7645, 83.3531,
86.8763

Harmonies

Analogous

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



48.8267, 21.2797, 14.9517



41.2893, 21.2797, 2.1897



28.6967, 21.2797, 0.0000

Triad

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



41.2893, 21.2797, 2.1897



6.2786, 21.2797, 7.6381



23.7054, 21.2797, 147.5860

Complementary

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



41.2893, 21.2797, 2.1897



52.4053, 78.1777, 99.5698

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.



13.6111, 21.2797, 136.7674



41.2893, 21.2797, 2.1897



5.7758, 21.2797, 33.9540

Square

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



41.2893, 21.2797, 2.1897



9.6796, 21.2797, 0.8145



7.9148, 21.2797, 85.3672



36.5286, 21.2797, 108.1852

Rectangle

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



41.2893, 21.2797, 2.1897



20.5786, 21.2797, 0.0000



7.9148, 21.2797, 85.3672



19.8769, 21.2797, 150.1373

Sweetspot

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



41.2897, 21.2811, 2.1900



65.6191, 56.6437, 51.2881



54.7553, 26.1434, 96.7672



13.3837, 11.1527, 9.6731



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.



41.2897, 21.2811, 2.1900



41.2890, 21.2796, 2.1878



47.3466, 33.4732, 3.9675



18.0352, 17.9974, 18.8024



21.5855, 11.1235, 1.2018



2.1104, 1.0865, 0.1626

Inverse Universe

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



41.2897, 21.2811, 2.1900



41.2890, 21.2796, 2.1878



27.4699, 26.0588, 98.1890



18.0352, 17.9974, 18.8024



21.5855, 11.1235, 1.2018



2.1104, 1.0865, 0.1626

Previews

White Background



This preview shows how the XYZ color 41.2893, 21.2797, 2.1897 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 41.2893, 21.2797, 2.1897

Background



This preview shows how black text looks on a background with the XYZ color 41.2893, 21.2797, 2.1897.



This preview shows how white text looks on a background with the XYZ color 41.2893, 21.2797,

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

41.2893, 21.2797, 2.1897

Protanopia

19.6552, 21.7512, 4.7526

Deuteranopia

21.8598, 21.6004, 3.0172



Tritanopia

40.8346, 21.5359, 2.0046

Trichromacy



Original Color

41.2893, 21.2797, 2.1897

Protanomaly

22.9709, 16.2995, 2.9127

Deuteranomaly

25.5058, 17.1911, 2.0601

Tritanomaly

41.0603, 21.4191, 2.0563

Monochromacy



Original Color

41.2893, 21.2797, 2.1897

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

12.8735, 8.1953, 4.1522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2893, 21.2797, 2.1897 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, 0, 9)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 9)  
}
```

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, 0, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 9) }
```

Border

The CSS property to change the border of an element to XYZ 41.2893, 21.2797, 2.1897 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, 0, 9) }
```


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

```
.border{ border-color:rgb(255, 0, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(255, 0, 9); box-shadow:4px  
4px 4px 4px rgb(255, 0, 9) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2893, 21.2797, 2.1897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 9) }
```

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

```
.background{ background-color: rgb(255, 0,  
9) }
```

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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