

Converting Colors

XYZ(41.6875, 22.0541, 2.3903)

Have a look what the booklet for
XYZ(41.6875, 22.0541, 2.3903)
contains.

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Color

**XYZ(41.6923, 22.0680,
2.3787)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1B0B
RGB	255, 27, 11
RGB Percent	100%, 11%, 4%
CMY	0.0000, 0.8940, 0.9569
CMYK	0.00, 0.89, 0.96, 0.00
HSL	4°, 100%, 52%
HSV	4°, 96%, 100%
XYZ	41.6923, 22.0680, 2.3787
YIQ	93.3480, 141.0240, 43.3600

Conversions

Conversions Part 2

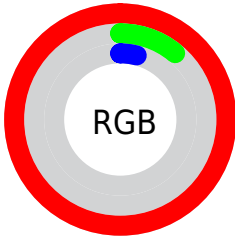
Format	Color
R_{YB}	255, 28, 11
Decimal	16718603
CIE Lab	54.10, 77.75, 64.95
CIE LCh	54, 101.313, 39.873
Yxy	22.0680, 0.6304, 0.3337
Android (android.graphics.Color)	4294908683 (0xFFFF1B0B)
YUV	93.3480, -40.5976, 141.7688
Hunter-Lab	46.9766, 76.2119, 29.8814

Details

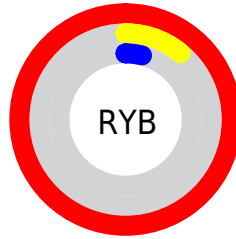
The XYZ color **41.6923, 22.0680, 2.3787** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **49.0443, 69.0039, 105.3411**, and the grayscale version is **10.5590, 11.1089, 12.0975**.

A 20% lighter version of the original color is **47.1444, 31.5423, 8.6045**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.4363, 21.6532, 1.9955**, and if you desaturate by 10%, it is **42.7434, 23.7456, 4.0400**.

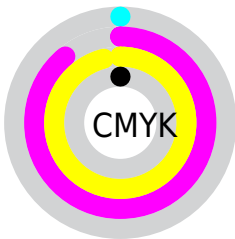
Distribution



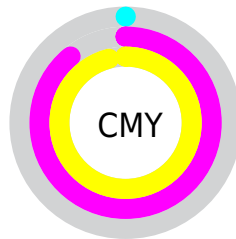
- Red (100%)
- Green (11%)
- Blue (4%)



- Red (100%)
- Yellow (11%)
- Blue (4%)



- Cyan (0%)
- Magenta (89%)
- Yellow (96%)
- Black (0%)





- Cyan (0%)
- Magenta (89%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6923, 22.0680, 2.3787 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 41.6923, 22.0680, 2.3787 by changing the saturation by 10% instead.


 41.6923, 22.0680,
2.3787

 41.6923, 22.0680,
2.3787


344.2192,
262.9012, 128.0049


 29.0505, 13.9069,
0.7748


 77.0018, 46.8584,
10.0524


 19.2635, 8.0559,
0.0000


 100.4002, 64.2564,
16.9715


 11.9660, 4.1308,
0.0000


 128.1149, 85.5022,
26.5035

 6.7925, 1.7470,
0.0000

 160.5111,
110.9801, 39.0668

 3.3779, 0.4538,
0.0000

 197.9543,
141.0746, 55.0801

 1.3566, 0.0000,
0.0000

 240.8098,


 0.2250, 0.0000,


176.1700, 74.9618


0.0000


 289.4430,
216.6507, 99.1306


 0.0000, 0.0000,
0.0000


 41.6923, 22.0680,
2.3787


 41.6923, 22.0680,
2.3787


 41.4363, 21.6532,
1.9955

 42.7434, 23.7456,
4.0400

 44.6038, 26.5968,
7.3403

 47.3957, 30.7867,
12.5688

 51.2206, 36.4526,
19.9593

 56.1663, 43.7151,
29.7126

■ 62.3114, 52.6820,
42.0065

■ 69.7275, 63.4521,
57.0016

■ 78.4805, 76.1163,
74.8454

■ 88.6316, 90.7597,
95.6749

Harmonies

Analogous

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



49.3843, 22.0680, 15.0853



41.6923, 22.0680, 2.3787



29.1051, 22.0680, 0.0000

Triad

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



41.6923, 22.0680, 2.3787



6.7468, 22.0680, 8.6565



24.8047, 22.0680, 146.2575

Complementary

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



41.6923, 22.0680, 2.3787



49.0443, 69.0039, 105.3411

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.



14.5202, 22.0680, 137.1354



41.6923, 22.0680, 2.3787



6.2989, 22.0680, 35.9497

Square

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



41.6923, 22.0680, 2.3787



10.1479, 22.0680, 1.0901



8.5917, 22.0680, 87.3140



37.6173, 22.0680, 106.6366

Rectangle

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



41.6923, 22.0680, 2.3787



21.0218, 22.0680, 0.0000



8.5917, 22.0680, 87.3140



20.9282, 22.0680, 149.2606

Sweetspot

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



41.6928, 22.0694, 2.3790



67.1254, 59.6779, 51.7241



57.5066, 27.9581, 87.0006



13.6960, 11.7980, 9.7137



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.



41.6928, 22.0694, 2.3790



41.4367, 21.6534, 1.9956



51.4560, 41.5959, 5.6334



18.1052, 18.1785, 18.6989



21.6872, 11.3857, 1.0546



2.1436, 1.1726, 0.1133

Inverse Universe

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



49.0443, 69.0039, 105.3411



48.6955, 68.5110, 105.2652



25.0009, 20.9173, 97.3266



18.4467, 20.2649, 23.1892



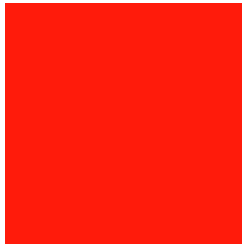
25.4881, 35.8857, 55.0179



2.5113, 3.5532, 5.3668

Previews

White Background



This preview shows how the XYZ color 41.6923, 22.0680, 2.3787 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 41.6923, 22.0680, 2.3787 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 41.6923, 22.0680, 2.3787

Background



This preview shows how black text looks on a background with the XYZ color 41.6923, 22.0680, 2.3787.



This preview shows how white text looks on a background with the XYZ color 41.6923, 22.0680,

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

41.6923, 22.0680, 2.3787

Protanopia

20.1401, 22.1976, 4.8132

Deuteranopia

22.3928, 22.0584, 3.0775



Tritanopia

41.7331, 22.0843, 2.5934

Trichromacy



Original Color

41.6923, 22.0680, 2.3787

Protanomaly

24.3505, 18.3424, 3.2343

Deuteranomaly

26.5376, 18.8585, 2.3562

Tritanomaly

41.7182, 22.0784, 2.5147

Monochromacy



Original Color

41.6923, 22.0680, 2.3787

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

15.9742, 11.2905, 6.0400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6923, 22.0680, 2.3787 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, 27, 11)` looks like.

```
.text, #text, p{  
    color:rgb(255, 27, 11)  
}
```

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, 27, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 27, 11) }
```

Border

The CSS property to change the border of an element to XYZ 41.6923, 22.0680, 2.3787 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, 27, 11) }
```


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

```
.border{ border-color:rgb(255, 27, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 27, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 27, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 27, 11);  
box-shadow:4px 4px 4px 4px rgb(255, 27,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6923, 22.0680, 2.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 27, 11) }
```

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

```
.background{ background-color: rgb(255, 27,  
11) }
```

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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