

Converting Colors

XYZ(41.8292, 22.3221, 2.4847)

Have a look what the booklet for
XYZ(41.8292, 22.3221, 2.4847)
contains.

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Color

**XYZ(41.8292, 22.3221,
2.4847)**

Conversions

Conversions Part 1

Format	Color
Hex	FF200D
RGB	255, 32, 13
RGB Percent	100%, 13%, 5%
CMY	0.0000, 0.8744, 0.9490
CMYK	0.00, 0.87, 0.95, 0.00
HSL	5°, 100%, 53%
HSV	5°, 95%, 100%
XYZ	41.8292, 22.3221, 2.4847
YIQ	96.5110, 139.0070, 41.3670

Conversions

Conversions Part 2

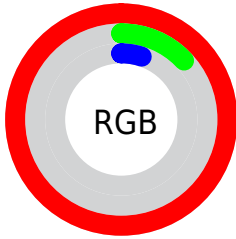
Format	Color
R_{YB}	255, 34, 13
Decimal	16719885
CIE _{Lab}	54.37, 77.01, 64.59
CIE _{LCh}	54, 100.517, 39.987
Yxy	22.3221, 0.6277, 0.3350
Android (android.graphics.Color)	4294909965 (0xFFFF200D)
YUV	96.5110, -41.1709, 138.9949
Hunter-Lab	47.2463, 75.3529, 29.9543

Details

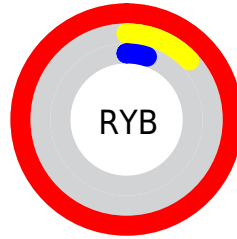
The XYZ color **41.8292, 22.3221, 2.4847** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **48.2029, 67.2796, 105.0528**, and the grayscale version is **11.3197, 11.9092, 12.9692**.

A 20% lighter version of the original color is **47.4072, 31.9733, 8.9830**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.4908, 21.7620, 2.0137**, and if you desaturate by 10%, it is **42.9889, 24.1855, 4.2789**.

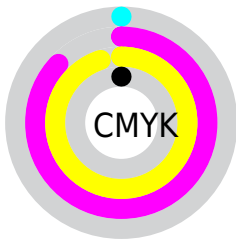
Distribution



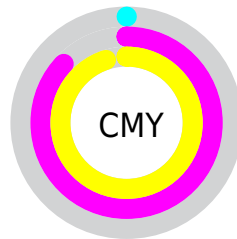
- Red (100%)
- Green (13%)
- Blue (5%)



- Red (100%)
- Yellow (13%)
- Blue (5%)



- Cyan (0%)
- Magenta (87%)
- Yellow (95%)
- Black (0%)





- Cyan (0%)
- Magenta (87%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8292, 22.3221, 2.4847 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 41.8292, 22.3221, 2.4847 by changing the saturation by 10% instead.

 41.8292, 22.3221,
2.4847


 41.8292, 22.3221,
2.4847


344.7781,
264.2238, 129.4996


 29.1581, 14.0938,
0.8320


 77.2078, 47.2778,
10.3280

 19.3453, 8.1859,
0.0000


 100.6461, 64.7739,
17.3616

 12.0256, 4.2141,
0.0000


 128.4041, 86.1281,
27.0280

 6.8334, 1.7941,
0.0000

 160.8473,
111.7248, 39.7456

 3.4035, 0.4835,
0.0000

 198.3409,
141.9483, 55.9331


 1.3706, 0.0000,
0.0000

 241.2503,


 0.2351, 0.0000,


177.1830, 76.0089


0.0000


 289.9409,
217.8134, 100.3915


 0.0000, 0.0000,
0.0000


 41.8292, 22.3221,
2.4847


 41.8292, 22.3221,
2.4847


 41.4908, 21.7620,
2.0137

 42.9889, 24.1855,
4.2789

 44.9625, 27.2247,
7.7357

 47.8660, 31.5936,
13.1372

 51.7962, 37.4216,
20.7130

 56.8376, 44.8227,
30.6609

■ 63.0660, 53.8996,
43.1564

■ 70.5503, 64.7463,
58.3583

■ 79.3542, 77.4498,
76.4128

■ 89.5373, 92.0915,
97.4552

Harmonies

Analogous

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



49.5084, 22.3221, 15.2612



41.8292, 22.3221, 2.4847



29.2850, 22.3221, 0.0000

Triad

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



41.8292, 22.3221, 2.4847



6.9277, 22.3221, 8.9387



25.0891, 22.3221, 145.5491

Complementary

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



41.8292, 22.3221, 2.4847



48.2029, 67.2796, 105.0528

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.



14.7854, 22.3221, 136.7236



41.8292, 22.3221, 2.4847



6.4851, 22.3221, 36.3597

Square

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



41.8292, 22.3221, 2.4847



10.3432, 22.3221, 1.1839



8.8112, 22.3221, 87.4632



37.8634, 22.3221, 106.1897

Rectangle

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



41.8292, 22.3221, 2.4847



21.2211, 22.3221, 0.0000



8.8112, 22.3221, 87.4632



21.2119, 22.3221, 148.5890

Sweetspot

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



41.8297, 22.3235, 2.4850



68.0936, 61.1914, 53.3501



56.9438, 27.7718, 83.9168



13.8868, 12.1002, 10.0220



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.



41.8297, 22.3235, 2.4850



41.4911, 21.7621, 2.0137



52.2400, 43.1442, 5.9551



18.1241, 18.2164, 18.7052



21.7202, 11.4515, 1.0656



2.1525, 1.1904, 0.1163

Inverse Universe

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



48.2029, 67.2796, 105.0528



47.7438, 66.6076, 104.9479



24.6786, 20.2311, 97.2114



18.4255, 20.2225, 23.1822



24.9984, 34.9065, 54.8546



2.4688, 3.4683, 5.3526

Previews

White Background



This preview shows how the XYZ color 41.8292, 22.3221, 2.4847 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 41.8292, 22.3221, 2.4847 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 41.8292, 22.3221, 2.4847

Background



This preview shows how black text looks on a background with the XYZ color 41.8292, 22.3221, 2.4847.



This preview shows how white text looks on a background with the XYZ color 41.8292, 22.3221,

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

41.8292, 22.3221, 2.4847

Protanopia

20.4674, 22.5630, 4.9454

Deuteranopia

22.7247, 22.4146, 3.1287



Tritanopia

41.9055, 22.3102, 3.0173

Trichromacy



Original Color

41.8292, 22.3221, 2.4847

Protanomaly

24.5515, 18.7074, 3.4155

Deuteranomaly

27.0572, 19.4989, 2.4812

Tritanomaly

41.8653, 22.2941, 2.8061

Monochromacy



Original Color

41.8292, 22.3221, 2.4847

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

16.6923, 12.0285, 6.5962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8292, 22.3221, 2.4847 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, 32, 13)` looks like.

```
.text, #text, p{  
    color:rgb(255, 32, 13)  
}
```

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, 32, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 32, 13) }
```

Border

The CSS property to change the border of an element to XYZ 41.8292, 22.3221, 2.4847 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, 32, 13) }
```


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

```
.border{ border-color:rgb(255, 32, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 32, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 32, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 32, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 32,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8292, 22.3221, 2.4847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 32, 13) }
```

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

```
.background{ background-color: rgb(255, 32,  
13) }
```

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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