

Converting Colors

XYZ(41.8307, 22.0267, 3.4054)

Have a look what the booklet for
XYZ(41.8307, 22.0267, 3.4054)
contains.

| | |
|--|----|
| XYZ(41.8273, 22.0176, 3.4118) | 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(41.8273, 22.0176,
3.4118)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | FF1820 |
| RGB | 255, 24, 32 |
| RGB Percent | 100%, 9%, 13% |
| CMY | 0.0000, 0.9057, 0.8745 |
| CMYK | 0.00, 0.91, 0.87, 0.00 |
| HSL | 358°, 100%, 55% |
| HSV | 358°, 91%, 100% |
| XYZ | 41.8273, 22.0176, 3.4118 |
| YIQ | 93.9810, 135.1080, 51.4600 |

Conversions

Conversions Part 2

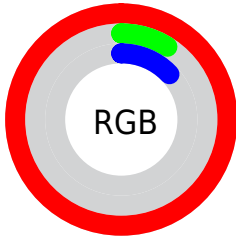
| Format | Color |
|-------------------------------------|--|
| RYB | 255, 24, 32 |
| Decimal | 16717856 |
| CIELab | 54.05, 78.39, 57.72 |
| CIELCh | 54, 97.349, 36.361 |
| Yxy | 22.0176, 0.6219, 0.3274 |
| Android (android.graphics.Color) | 4294907936 (0xFFFF1820) |
| YUV | 93.9810, -30.5566, 141.2137 |
| Hunter-Lab | 46.9229, 77.0006, 28.5350 |

Details

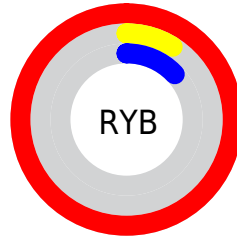
The XYZ color **41.8273, 22.0176, 3.4118** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **52.9317, 78.4317, 100.3756**, and the grayscale version is **10.6874, 11.2439, 12.2446**.

A 20% lighter version of the original color is **47.5382, 31.5397, 11.1716**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.2877, 21.2790, 2.1836**, and if you desaturate by 10%, it is **43.0897, 23.7935, 6.1432**.

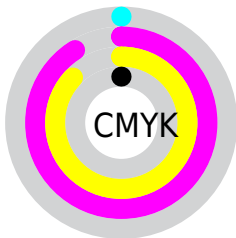
Distribution



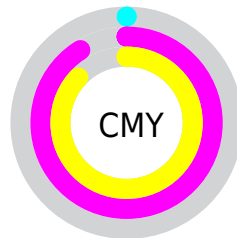
- Red (100%)
- Green (9%)
- Blue (13%)



- Red (100%)
- Yellow (9%)
- Blue (13%)



- Cyan (0%)
- Magenta (91%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8273, 22.0176, 3.4118 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 41.8273, 22.0176, 3.4118 by changing the saturation by 10% instead.

 41.8273, 22.0176,
3.4118


 41.8273, 22.0176,
3.4118

344.7704,
262.6382, 141.4441


 29.1566, 13.8698,
1.3086


 77.2050, 46.7751,
12.6287

 19.3442, 8.0302,
0.0688


 100.6427, 64.1536,
20.5795


 12.0247, 4.1143,
0.0000


 128.4001, 85.3778,
31.3165

 6.8328, 1.7377,
0.0000

 160.8426,
110.8321, 45.2583

 3.4032, 0.4479,
0.0000

 198.3355,
140.9009, 62.8234


 1.3704, 0.0000,
0.0000

 241.2442,


 0.2350, 0.0000,


175.9686, 84.4304

0.0000


 289.9340,
216.4195, 110.4978


 0.0000, 0.0000,
0.0000


 41.8273, 22.0176,
3.4118


 41.8273, 22.0176,
3.4118


 41.2877, 21.2790,
2.1836

 43.0897, 23.7935,
6.1432

 45.2527, 26.8951,
10.6386

 48.4432, 31.5158,
17.1285

 52.7674, 37.8164,
25.8083

 58.3185, 45.9373,
36.8500

■ 65.1799, 56.0039,
50.4087

■ 73.4278, 68.1308,
66.6261

■ 83.1323, 82.4237,
85.6336

94.3591, 98.9808,
107.5537

Harmonies

Analogous

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



48.1803, 22.0176, 18.1067



41.8273, 22.0176, 3.4118



30.1383, 22.0176, 0.2798

Triad

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



41.8273, 22.0176, 3.4118



7.3212, 22.0176, 7.4317



23.2510, 22.0176, 140.0727

Complementary

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



41.8273, 22.0176, 3.4118



52.9317, 78.4317, 100.3756

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.



13.8146, 22.0176, 125.9534



41.8273, 22.0176, 3.4118



6.5672, 22.0176, 30.9875

Square

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



41.8273, 22.0176, 3.4118



11.0737, 22.0176, 1.0356



8.4921, 22.0176, 77.3870



35.3688, 22.0176, 107.5212

Rectangle

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



41.8273, 22.0176, 3.4118



22.2382, 22.0176, 0.0000



8.4921, 22.0176, 77.3870



19.6685, 22.0176, 140.8530

Sweetspot

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



41.8278, 22.0190, 3.4121



67.9641, 60.0945, 55.8905



55.4952, 27.0099, 96.8953



13.9769, 12.0248, 10.8400



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.



41.8278, 22.0190, 3.4121



41.2882, 21.2793, 2.1836



49.1203, 36.7568, 5.3722



18.0347, 17.9972, 18.8002



21.5849, 11.1233, 1.1986



2.1102, 1.0864, 0.1616

Inverse Universe

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



41.8278, 22.0190, 3.4121



41.2882, 21.2793, 2.1836



29.5049, 29.5696, 98.7592



18.0347, 17.9972, 18.8002



21.5849, 11.1233, 1.1986



2.1102, 1.0864, 0.1616

Previews

White Background



This preview shows how the XYZ color 41.8273, 22.0176, 3.4118 looks on a white background.

Color Contrast Check

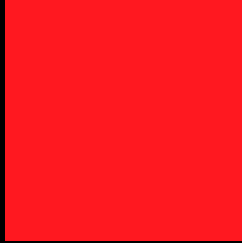
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.8273, 22.0176, 3.4118 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 41.8273, 22.0176, 3.4118

Background



This preview shows how black text looks on a background with the XYZ color 41.8273, 22.0176, 3.4118.



This preview shows how white text looks on a background with the XYZ color 41.8273, 22.0176,

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

41.8273, 22.0176, 3.4118

Protanopia

20.3255, 22.2513, 6.7137

Deuteranopia

22.3928, 22.0584, 3.0775



Tritanopia

41.7106, 22.0393, 2.5859

Trichromacy



Original Color

41.8273, 22.0176, 3.4118

Protanomaly

24.2418, 17.9937, 4.7802

Deuteranomaly

26.5005, 18.7133, 2.5631

Tritanomaly

41.7324, 22.0132, 2.8085

Monochromacy



Original Color

41.8273, 22.0176, 3.4118

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

16.4023, 11.4835, 7.3133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8273, 22.0176, 3.4118 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, 24, 32)` looks like.

```
.text, #text, p{  
    color:rgb(255, 24, 32)  
}
```

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, 24, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 24, 32) }
```

Border

The CSS property to change the border of an element to XYZ 41.8273, 22.0176, 3.4118 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, 24, 32) }
```


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

```
.border{ border-color:rgb(255, 24, 32) }
```

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

Here you see how a box with a 4 pixel rgb(255, 24, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 24, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 24, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 24,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8273, 22.0176, 3.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 24, 32) }
```

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

```
.background{ background-color: rgb(255, 24,  
32) }
```

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