

Converting Colors

XYZ(42.4362, 22.4031, 6.1803)

Have a look what the booklet for
XYZ(42.4362, 22.4031, 6.1803)
contains.

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Color

**XYZ(42.4447, 22.4063,
6.2254)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1C3B
RGB	255, 28, 59
RGB Percent	100%, 11%, 23%
CMY	0.0000, 0.8901, 0.7686
CMYK	0.00, 0.89, 0.77, 0.00
HSL	352°, 100%, 55%
HSV	352°, 89%, 100%
XYZ	42.4447, 22.4063, 6.2254
YIQ	99.4070, 125.3410, 57.7650

Conversions

Conversions Part 2

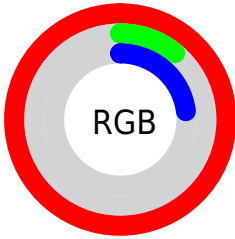
Format	Color
R_{YB}	255, 28, 59
Decimal	16718907
CIE Lab	54.46, 78.49, 44.43
CIE LCh	54, 90.191, 29.510
Yxy	22.4063, 0.5972, 0.3152
Android (android.graphics.Color)	4294908987 (0xFFFF1C3B)
YUV	99.4070, -19.9207, 136.4551
Hunter-Lab	47.3353, 77.2210, 25.3371

Details

The XYZ color **42.4447, 22.4063, 6.2254** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **49.6985, 77.1504, 82.8160**, and the grayscale version is **11.9933, 12.6179, 13.7409**.

A 20% lighter version of the original color is **48.9454, 32.4247, 17.5888**, and **21.0798, 10.8562, 1.4746** is the 20% darker color. If you saturate the color by 10%, you get **41.6008, 21.4483, 3.6959**, and if you desaturate by 10%, it is **44.0233, 24.4493, 10.1876**.

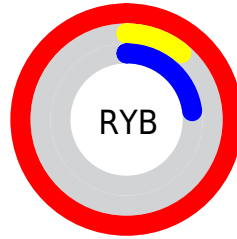
Distribution



Red (100%)

Green (11%)

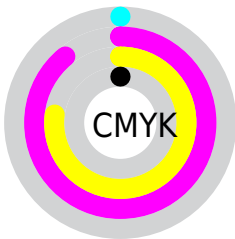
Blue (23%)



Red (100%)

Yellow (11%)

Blue (23%)

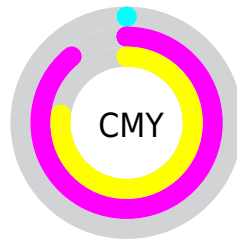


Cyan (0%)

Magenta (89%)

Yellow (77%)

Black (0%)



Cyan (0%)


Magenta (89%)

Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4447, 22.4063, 6.2254 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 42.4447, 22.4063, 6.2254 by changing the saturation by 10% instead.


 42.4447, 22.4063,
6.2254


 42.4447, 22.4063,
6.2254


347.2834,
264.6608, 170.4416


 29.6423, 14.1557,
2.9116


 78.1332, 47.4166,
18.8827


 19.7140, 8.2291,
1.0497


 101.7499, 64.9452,
29.0632

 12.2943, 4.2419,
0.0000


 129.7022, 86.3352,
42.3698

 7.0181, 1.8098,
0.0000

 162.3553,
111.9710, 59.2209

 3.5198, 0.4932,
0.0000

 200.0746,
142.2371, 80.0351

 1.4343, 0.0000,
0.0000

 243.2255,

 0.2804, 0.0000,

177.5178, 105.2309

0.0000

292.1734,
218.1976, 135.2269

■ 0.0000, 0.0000,
0.0000

■ 42.4447, 22.4063,
6.2254

■ 42.4447, 22.4063,
6.2254

■ 41.6008, 21.4483,
3.6959

■ 44.0233, 24.4493,
10.1876

■ 41.5400, 21.3800,
3.5113

■ 46.4884, 27.8367,
15.7657

■ 49.9495, 32.7504,
23.1118

■ 54.4997, 39.3431,
32.3595

■ 60.2211, 47.7488,
43.6297

67.1879, 58.0880,
57.0331

75.4682, 70.4708,
72.6722

85.1249, 84.9992,
90.6430

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



46.4626, 22.4063, 24.8640



42.4447, 22.4063, 6.2254



32.4473, 22.4063, 1.1402

Triad

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



42.4447, 22.4063, 6.2254



8.7734, 22.4063, 5.9073



21.1348, 22.4063, 129.0629

Complementary

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



42.4447, 22.4063, 6.2254



49.6985, 77.1504, 82.8160

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.



13.0471, 22.4063, 107.5722



42.4447, 22.4063, 6.2254



7.3998, 22.4063, 23.9352

Square

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



42.4447, 22.4063, 6.2254



13.2508, 22.4063, 1.0810



8.6840, 22.4063, 62.1467



32.0768, 22.4063, 108.8258

Rectangle

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



42.4447, 22.4063, 6.2254



24.9411, 22.4063, 0.3639



8.6840, 22.4063, 62.1467



18.0255, 22.4063, 126.3311

Sweetspot

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



42.4452, 22.4077, 6.2257



68.7425, 60.4058, 59.9891



48.2708, 23.4170, 96.5829



14.1545, 12.0958, 11.7752



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.



42.4452, 22.4077, 6.2257



41.5403, 21.3801, 3.5113



46.7567, 31.9578, 4.8048



18.1103, 18.0274, 19.1978



21.7363, 11.1838, 1.9959



2.1458, 1.1007, 0.3491

Inverse Universe

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



42.4452, 22.4077, 6.2257



41.5403, 21.3801, 3.5113



33.9691, 38.3461, 100.2183



18.1103, 18.0274, 19.1978



21.7363, 11.1838, 1.9959



2.1458, 1.1007, 0.3491

Previews

White Background



This preview shows how the XYZ color 42.4447, 22.4063, 6.2254 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 42.4447, 22.4063, 6.2254 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 42.4447, 22.4063, 6.2254

Background



This preview shows how black text looks on a background with the XYZ color 42.4447, 22.4063, 6.2254.



This preview shows how white text looks on a background with the XYZ color 42.4447, 22.4063,

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

42.4447, 22.4063, 6.2254

Protanopia

21.0331, 22.6880, 12.5032

Deuteranopia

22.9721, 22.4897, 5.5131



Tritanopia

41.7084, 22.3666, 3.3472

Trichromacy



Original Color

42.4447, 22.4063, 6.2254

Protanomaly

24.8707, 18.6085, 9.3022

Deuteranomaly

27.1527, 19.2368, 5.1877

Tritanomaly

41.7898, 22.2639, 4.1926

Monochromacy



Original Color

42.4447, 22.4063, 6.2254

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

17.6931, 12.4731, 9.8625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4447, 22.4063, 6.2254 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, 28, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 28, 59)  
}
```

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, 28, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 28, 59) }
```

Border

The CSS property to change the border of an element to XYZ 42.4447, 22.4063, 6.2254 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, 28, 59) }
```


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

```
.border{ border-color:rgb(255, 28, 59) }
```

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

Here you see how a box with a 4 pixel rgb(255, 28, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 28, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 28, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 28,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4447, 22.4063, 6.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 28, 59) }
```

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

```
.background{ background-color: rgb(255, 28,  
59) }
```

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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