

Converting Colors

XYZ(42.3381, 22.3686, 5.6504)

Have a look what the booklet for
XYZ(42.3381, 22.3686, 5.6504)
contains.

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Color

**XYZ(42.3448, 22.3663,
5.6997)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1C37
RGB	255, 28, 55
RGB Percent	100%, 11%, 22%
CMY	0.0000, 0.8901, 0.7843
CMYK	0.00, 0.89, 0.78, 0.00
HSL	353°, 100%, 55%
HSV	353°, 89%, 100%
XYZ	42.3448, 22.3663, 5.6997
YIQ	98.9510, 126.6250, 56.5210

Conversions

Conversions Part 2

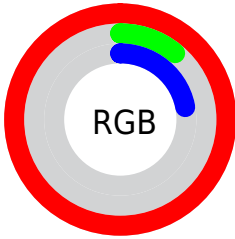
Format	Color
R_{YB}	255, 28, 55
Decimal	16718903
CIE _{Lab}	54.41, 78.37, 46.59
CIE _{LCh}	54, 91.172, 30.729
Yxy	22.3663, 0.6014, 0.3177
Android (android.graphics.Color)	4294908983 (0xFFFF1C37)
YUV	98.9510, -21.6678, 136.8550
Hunter-Lab	47.2930, 77.0609, 25.9596

Details

The XYZ color **42.3448, 22.3663, 5.6997** 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 **50.2474, 77.3699, 85.7071**, and the grayscale version is **11.8819, 12.5007, 13.6133**.

A 20% lighter version of the original color is **48.7398, 32.3424, 16.5058**, and **21.0526, 10.8454, 1.3316** is the 20% darker color. If you saturate the color by 10%, you get **41.5351, 21.4220, 3.3503**, and if you desaturate by 10%, it is **43.8934, 24.3973, 9.5043**.

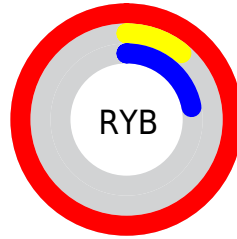
Distribution



Red (100%)

Green (11%)

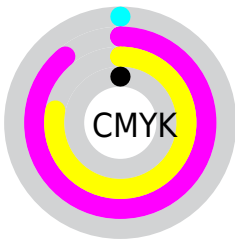
Blue (22%)



Red (100%)

Yellow (11%)

Blue (22%)

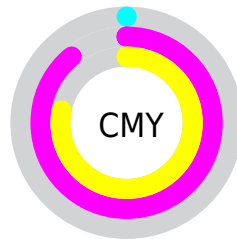


Cyan (0%)

Magenta (89%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3448, 22.3663, 5.6997 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 42.3448, 22.3663, 5.6997 by changing the saturation by 10% instead.


 42.3448, 22.3663,
5.6997


 42.3448, 22.3663,
5.6997


346.8776,
264.4533, 165.5722


 29.5637, 14.1263,
2.5975


 77.9831, 47.3507,
17.7711


 19.6541, 8.2086,
0.8912


 101.5710, 64.8638,
27.5774

 12.2506, 4.2287,
0.0000

 129.4918, 86.2368,
40.4556

 6.9880, 1.8023,
0.0000

 162.1109,
111.8541, 56.8241

 3.5009, 0.4886,
0.0000

 199.7937,
142.0999, 77.1014

 1.4238, 0.0000,
0.0000

 242.9055,

 0.2731, 0.0000,

177.3588, 101.7062

0.0000

291.8117,
218.0151, 131.0570

■ 0.0000, 0.0000,
0.0000

■ 42.3448, 22.3663,
5.6997

■ 42.3448, 22.3663,
5.6997

■ 41.5351, 21.4220,
3.3503

■ 43.8934, 24.3973,
9.5043

■ 41.4779, 21.3551,
3.1842

■ 46.3353, 27.7754,
14.9605

■ 49.7821, 32.6832,
22.2306

■ 54.3282, 39.2742,
31.4570

■ 60.0572, 47.6829,
42.7677

67.0447, 58.0304,
56.2797

75.3596, 70.4270,
72.1016

85.0660, 84.9752,
90.3344

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



46.7449, 22.3663, 23.6617



42.3448, 22.3663, 5.6997



32.0687, 22.3663, 0.9992

Triad

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



42.3448, 22.3663, 5.6997



8.5434, 22.3663, 6.1713



21.5032, 22.3663, 130.7248

Complementary

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



42.3448, 22.3663, 5.6997



50.2474, 77.3699, 85.7071

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.



13.1999, 22.3663, 110.4144



42.3448, 22.3663, 5.6997



7.2801, 22.3663, 25.0578

Square

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



42.3448, 22.3663, 5.6997



12.8950, 22.3663, 1.0845



8.6768, 22.3663, 64.5231



32.6272, 22.3663, 108.5134

Rectangle

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



42.3448, 22.3663, 5.6997



24.4967, 22.3663, 0.2682



8.6768, 22.3663, 64.5231



18.3190, 22.3663, 128.5533

Sweetspot

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



42.3453, 22.3677, 5.7000



68.6053, 60.3510, 59.2669



49.4352, 24.0173, 96.6373



14.1231, 12.0832, 11.6098



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.



42.3453, 22.3677, 5.7000



41.4782, 21.3553, 3.1842



47.1618, 32.7681, 4.9398



18.0971, 18.0222, 19.1287



21.7007, 11.1696, 1.8084



2.1396, 1.0982, 0.3167

Inverse Universe

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



42.3453, 22.3677, 5.7000



41.4782, 21.3553, 3.1842



33.2399, 36.8879, 99.9751



18.0971, 18.0222, 19.1287



21.7007, 11.1696, 1.8084



2.1396, 1.0982, 0.3167

Previews

White Background



This preview shows how the XYZ color 42.3448, 22.3663, 5.6997 looks on a white background.

Color Contrast Check

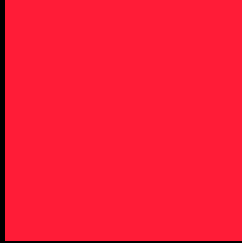
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3448, 22.3663, 5.6997 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 42.3448, 22.3663, 5.6997

Background



This preview shows how black text looks on a background with the XYZ color 42.3448, 22.3663, 5.6997.



This preview shows how white text looks on a background with the XYZ color 42.3448, 22.3663,

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

42.3448, 22.3663, 5.6997

Protanopia

20.8330, 22.6079, 11.4494

Deuteranopia

22.8673, 22.4478, 4.9613



Tritanopia

42.0338, 22.4928, 3.2885

Trichromacy



Original Color

42.3448, 22.3663, 5.6997

Protanomaly

24.7337, 18.5537, 8.5809

Deuteranomaly

27.0530, 19.1969, 4.6624

Tritanomaly

42.1064, 22.4330, 3.9445

Monochromacy



Original Color

42.3448, 22.3663, 5.6997

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

17.6542, 12.4575, 9.6577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3448, 22.3663, 5.6997 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 28, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 28, 55) }
```

Border

The CSS property to change the border of an element to XYZ 42.3448, 22.3663, 5.6997 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, 55) }
```


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

```
.border{ border-color:rgb(255, 28, 55) }
```

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, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 28, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 28, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 28,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3448, 22.3663, 5.6997 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, 55) }
```

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

```
.background{ background-color: rgb(255, 28,  
55) }
```

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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