

Converting Colors

XYZ(42.0654, 22.1641, 4.5071)

Have a look what the booklet for
XYZ(42.0654, 22.1641, 4.5071)
contains.

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Color

**XYZ(42.0830, 22.1883,
4.5474)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1A2D
RGB	255, 26, 45
RGB Percent	100%, 10%, 18%
CMY	0.0000, 0.8979, 0.8235
CMYK	0.00, 0.90, 0.82, 0.00
HSL	355°, 100%, 55%
HSV	355°, 90%, 100%
XYZ	42.0830, 22.1883, 4.5474
YIQ	96.6370, 130.3850, 54.4570

Conversions

Conversions Part 2

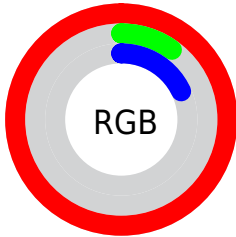
Format	Color
R_{YB}	255, 26, 45
Decimal	16718381
CIE Lab	54.23, 78.39, 51.69
CIE LCh	54, 93.897, 33.401
Yxy	22.1883, 0.6115, 0.3224
Android (android.graphics.Color)	4294908461 (0xFFFF1A2D)
YUV	96.6370, -25.4570, 138.8844
Hunter-Lab	47.1045, 77.0386, 27.2493

Details

The XYZ color **42.0830, 22.1883, 4.5474** 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 **51.3321, 77.7976, 91.6950**, and the grayscale version is **11.3160, 11.9053, 12.9649**.

A 20% lighter version of the original color is **48.1661, 31.9509, 13.9844**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.3865, 21.3279, 2.6750**, and if you desaturate by 10%, it is **43.5023, 24.0968, 7.8896**.

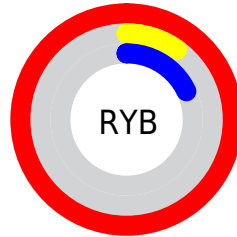
Distribution



Red (100%)

Green (10%)

Blue (18%)



Red (100%)

Yellow (10%)

Blue (18%)

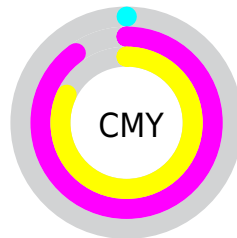


Cyan (0%)

Magenta (90%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (90%)


Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0830, 22.1883, 4.5474 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 42.0830, 22.1883, 4.5474 by changing the saturation by 10% instead.

 42.0830, 22.1883,
4.5474


 42.0830, 22.1883,
4.5474


345.8127,
263.5280, 154.1282


 29.3577, 13.9953,
1.9302


 77.5896, 47.0570,
15.2538


 19.4972, 8.1174,
0.5118


 101.1016, 64.5016,
24.1800

 12.1362, 4.1702,
0.0000


 128.9399, 85.7987,
36.0463

 6.9094, 1.7692,
0.0000

 161.4697,
111.3329, 51.2713

 3.4513, 0.4679,
0.0000

 199.0566,
141.4886, 70.2734

 1.3967, 0.0000,
0.0000

 242.0658,

 0.2539, 0.0000,

176.6501, 93.4712

0.0000

290.8627,
217.2017, 121.2833

■ 0.0000, 0.0000,
0.0000

■ 42.0830, 22.1883,
4.5474

■ 42.0830, 22.1883,
4.5474

■ 41.3865, 21.3279,
2.6750

■ 43.5023, 24.0968,
7.8896

■ 41.3761, 21.3144,
2.6486

■ 45.8181, 27.3416,
12.9367

■ 49.1479, 32.1101,
19.8768

■ 53.5912, 38.5588,
28.8730

■ 59.2352, 46.8250,
40.0707

66.1587, 57.0314,
53.6021

74.4338, 69.2905,
69.5889

84.1269, 83.7059,
88.1444

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



47.3731, 22.1883, 20.9763



42.0830, 22.1883, 4.5474



31.1537, 22.1883, 0.6666

Triad

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



42.0830, 22.1883, 4.5474



7.9582, 22.1883, 6.7199



22.2750, 22.1883, 134.9100

Complementary

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



42.0830, 22.1883, 4.5474



51.3321, 77.7976, 91.6950

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.



13.4659, 22.1883, 117.3219



42.0830, 22.1883, 4.5474



6.9385, 22.1883, 27.6490

Square

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



42.0830, 22.1883, 4.5474



12.0254, 22.1883, 1.0589



8.5817, 22.1883, 70.1891



33.8430, 22.1883, 108.0183

Rectangle

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



42.0830, 22.1883, 4.5474



23.4262, 22.1883, 0.0153



8.5817, 22.1883, 70.1891



18.9133, 22.1883, 134.0512

Sweetspot

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



42.0835, 22.1897, 4.5477



68.3286, 60.2403, 57.8097



52.9851, 25.7793, 96.7901



14.0598, 12.0580, 11.2769



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.



42.0835, 22.1897, 4.5477



41.3765, 21.3146, 2.6487



48.3172, 35.1160, 5.2110



18.0704, 18.0115, 18.9880



21.6411, 11.1457, 1.4947



2.1271, 1.0932, 0.2505

Inverse Universe

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



42.0835, 22.1897, 4.5477



41.3765, 21.3146, 2.6487



30.9781, 32.4426, 99.2361



18.0704, 18.0115, 18.9880



21.6411, 11.1457, 1.4947



2.1271, 1.0932, 0.2505

Previews

White Background



This preview shows how the XYZ color 42.0830, 22.1883, 4.5474 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 42.0830, 22.1883, 4.5474 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 42.0830, 22.1883, 4.5474

Background



This preview shows how black text looks on a background with the XYZ color 42.0830, 22.1883, 4.5474.



This preview shows how white text looks on a background with the XYZ color 42.0830, 22.1883,

4.5474.

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

42.0830, 22.1883, 4.5474

Protanopia

20.4158, 22.2471, 9.0124

Deuteranopia

22.6529, 22.3620, 3.8318



Tritanopia

41.8691, 22.2545, 2.9530

Trichromacy



Original Color

42.0830, 22.1883, 4.5474

Protanomaly

24.4366, 18.1816, 6.6363

Deuteranomaly

26.7500, 18.9435, 3.4749

Tritanomaly

41.9401, 22.2430, 3.4493

Monochromacy



Original Color

42.0830, 22.1883, 4.5474

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

16.9548, 11.9266, 8.6162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0830, 22.1883, 4.5474 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, 26, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 45)  
}
```

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, 26, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 45) }
```

Border

The CSS property to change the border of an element to XYZ 42.0830, 22.1883, 4.5474 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, 26, 45) }
```


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

```
.border{ border-color:rgb(255, 26, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 26, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0830, 22.1883, 4.5474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 45) }
```

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

```
.background{ background-color: rgb(255, 26,  
45) }
```

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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