

Converting Colors

XYZ(42.2925, 22.3476, 5.4182)

Have a look what the booklet for
XYZ(42.2925, 22.3476, 5.4182)
contains.

XYZ(42.2979, 22.3475, 5.4523)	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(42.2979, 22.3475,
5.4523)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1C35
RGB	255, 28, 53
RGB Percent	100%, 11%, 21%
CMY	0.0000, 0.8901, 0.7922
CMYK	0.00, 0.89, 0.79, 0.00
HSL	353°, 100%, 55%
HSV	353°, 89%, 100%
XYZ	42.2979, 22.3475, 5.4523
YIQ	98.7230, 127.2670, 55.8990

Conversions

Conversions Part 2

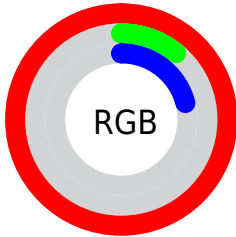
Format	Color
R_{YB}	255, 28, 53
Decimal	16718901
CIE _{Lab}	54.39, 78.31, 47.65
CIE _{LCh}	54, 91.673, 31.319
Yxy	22.3475, 0.6034, 0.3188
Android (android.graphics.Color)	4294908981 (0xFFFF1C35)
YUV	98.7230, -22.5414, 137.0549
Hunter-Lab	47.2731, 76.9858, 26.2529

Details

The XYZ color **42.2979, 22.3475, 5.4523** 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 **50.5267, 77.4818, 87.1774**, and the grayscale version is **11.8264, 12.4423, 13.5496**.

A 20% lighter version of the original color is **48.6405, 32.3027, 15.9833**, and **21.0356, 10.8385, 1.2418** is the 20% darker color. If you saturate the color by 10%, you get **41.5055, 21.4101, 3.1939**, and if you desaturate by 10%, it is **43.8311, 24.3723, 9.1762**.

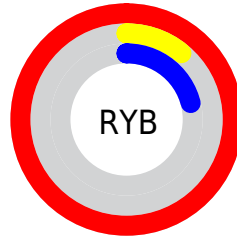
Distribution



Red (100%)

Green (11%)

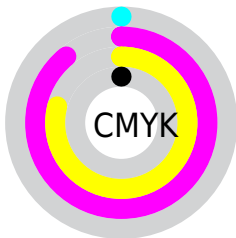
Blue (21%)



Red (100%)

Yellow (11%)

Blue (21%)

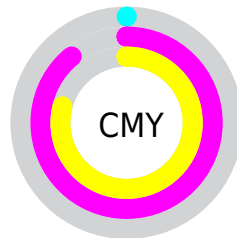


Cyan (0%)

Magenta (89%)

Yellow (79%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2979, 22.3475, 5.4523 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 42.2979, 22.3475, 5.4523 by changing the saturation by 10% instead.


 42.2979, 22.3475,
5.4523


 42.2979, 22.3475,
5.4523


346.6870,
264.3557, 163.2110


 29.5268, 14.1125,
2.4517


 77.9126, 47.3197,
17.2406


 19.6259, 8.1989,
0.8144


 101.4869, 64.8256,
26.8654

 12.2301, 4.2225,
0.0000


 129.3930, 86.1906,
39.5354

 6.9739, 1.7988,
0.0000

 161.9961,
111.7991, 55.6690

 3.4920, 0.4864,
0.0000

 199.6618,
142.0354, 75.6848

 1.4190, 0.0000,
0.0000

 242.7552,

 0.2697, 0.0000,

177.2840, 100.0014

0.0000

291.6418,
217.9293, 129.0373

■ 0.0000, 0.0000,
0.0000

■ 42.2979, 22.3475,
5.4523

■ 42.2979, 22.3475,
5.4523

■ 41.5055, 21.4101,
3.1939

■ 43.8311, 24.3723,
9.1762

■ 41.4500, 21.3440,
3.0371

■ 46.2610, 27.7455,
14.5692

■ 49.7001, 32.6503,
21.7989

■ 54.2437, 39.2402,
31.0122

■ 59.9761, 47.6502,
42.3409

66.9734, 58.0015,
55.9054

75.3054, 70.4049,
71.8171

85.0365, 84.9629,
90.1799

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



46.8867, 22.3475, 23.0856



42.2979, 22.3475, 5.4523



31.8851, 22.3475, 0.9339

Triad

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



42.2979, 22.3475, 5.4523



8.4319, 22.3475, 6.3040



21.6868, 22.3475, 131.5564

Complementary

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



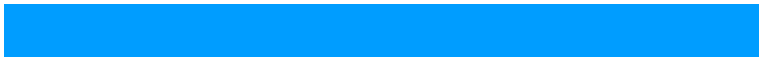
42.2979, 22.3475, 5.4523



50.5267, 77.4818, 87.1774

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.



13.2758, 22.3475, 111.8380



42.2979, 22.3475, 5.4523



7.2217, 22.3475, 25.6237

Square

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



42.2979, 22.3475, 5.4523



12.7227, 22.3475, 1.0862



8.6735, 22.3475, 65.7178



32.9018, 22.3475, 108.3668

Rectangle

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



42.2979, 22.3475, 5.4523



24.2811, 22.3475, 0.2209



8.6735, 22.3475, 65.7178



18.4652, 22.3475, 129.6646

Sweetspot

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



42.2984, 22.3489, 5.4526



68.5372, 60.3237, 58.9081



50.6260, 24.6311, 96.6932



14.1075, 12.0770, 11.5278



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.



42.2984, 22.3489, 5.4526



41.4502, 21.3441, 3.0371



47.5845, 33.6134, 5.0806



18.0906, 18.0196, 19.0942



21.6845, 11.1631, 1.7232



2.1366, 1.0970, 0.3005

Inverse Universe

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



42.2984, 22.3489, 5.4526



41.4502, 21.3441, 3.0371



32.5313, 35.4706, 99.7392



18.0906, 18.0196, 19.0942



21.6845, 11.1631, 1.7232



2.1366, 1.0970, 0.3005

Previews

White Background



This preview shows how the XYZ color 42.2979, 22.3475, 5.4523 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 42.2979, 22.3475, 5.4523 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 42.2979, 22.3475, 5.4523

Background



This preview shows how black text looks on a background with the XYZ color 42.2979, 22.3475, 5.4523.



This preview shows how white text looks on a background with the XYZ color 42.2979, 22.3475,

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

42.2979, 22.3475, 5.4523

Protanopia

20.8920, 22.6514, 10.8605

Deuteranopia

22.8209, 22.4292, 4.7166



Tritanopia

41.9935, 22.4316, 3.2150

Trichromacy



Original Color

42.2979, 22.3475, 5.4523

Protanomaly

24.8754, 18.6380, 8.0808

Deuteranomaly

27.0163, 19.1822, 4.4691

Tritanomaly

42.0639, 22.3735, 3.8518

Monochromacy



Original Color

42.2979, 22.3475, 5.4523

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

17.6158, 12.4422, 9.4558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2979, 22.3475, 5.4523 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, 53)` looks like.

```
.text, #text, p{  
  color:rgb(255, 28, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 28, 53) }
```

Border

The CSS property to change the border of an element to XYZ 42.2979, 22.3475, 5.4523 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, 53) }
```


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

```
.border{ border-color:rgb(255, 28, 53) }
```

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, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 28, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 28, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 28,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2979, 22.3475, 5.4523 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, 53) }
```

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

```
.background{ background-color: rgb(255, 28,  
53) }
```

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