

Converting Colors

XYZ(42.1844, 22.9298, 5.3229)

Have a look what the booklet for
XYZ(42.1844, 22.9298, 5.3229)
contains.

XYZ(42.2986, 22.9658, 5.3354)	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(42.2986, 22.9658,
5.3354)**

Conversions

Conversions Part 1

Format	Color
Hex	FE2A33
RGB	254, 42, 51
RGB Percent	100%, 16%, 20%
CMY	0.0039, 0.8352, 0.8000
CMYK	0.00, 0.83, 0.80, 0.00
HSL	357°, 99%, 58%
HSV	357°, 83%, 100%
XYZ	42.2986, 22.9658, 5.3354
YIQ	106.4140, 123.4630, 47.7430

Conversions

Conversions Part 2

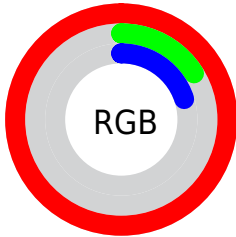
Format	Color
RYB	254, 42, 51
Decimal	16656947
CIELab	55.04, 75.54, 49.29
CIElCh	55, 90.203, 33.124
Yxy	22.9658, 0.5991, 0.3253
Android (android.graphics.Color)	4294847027 (0xFFFE2A33)
YUV	106.4140, -27.3191, 129.4329
Hunter-Lab	47.9226, 73.6872, 26.9449

Details

The XYZ color **42.2986, 22.9658, 5.3354** 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 **52.8820, 77.9698, 98.6657**, and the grayscale version is **13.8652, 14.5872, 15.8855**.

A 20% lighter version of the original color is **49.1766, 33.5297, 15.6844**, and **20.7719, 10.7045, 1.1437** is the 20% darker color. If you saturate the color by 10%, you get **41.2615, 21.5376, 2.9998**, and if you desaturate by 10%, it is **44.1863, 25.6479, 9.3367**.

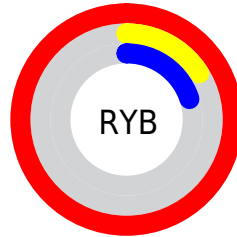
Distribution



Red (100%)

Green (16%)

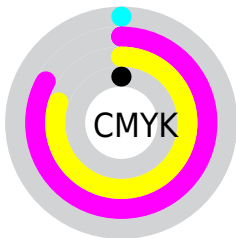
Blue (20%)



Red (100%)

Yellow (16%)

Blue (20%)

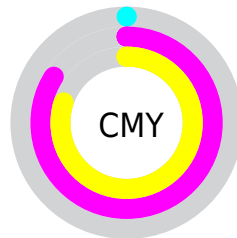


Cyan (0%)

Magenta (83%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (84%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2986, 22.9658, 5.3354 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 42.2986, 22.9658, 5.3354 by changing the saturation by 10% instead.


 42.2986, 22.9658,
5.3354


 42.2986, 22.9658,
5.3354

346.6899,
267.5493, 162.0784


 29.5273, 14.5683,
2.3832


 77.9137, 48.3372,
16.9882


 19.6264, 8.5169,
0.7773


 101.4882, 66.0798,
26.5259

 12.2304, 4.4275,
0.0000


 129.3944, 87.7062,
39.0959

 6.9741, 1.9154,
0.0000

 161.9978,
113.6008, 55.1167

 3.4921, 0.5576,
0.0000

 199.6637,
144.1481, 75.0068

 1.4190, 0.0000,
0.0000

 242.7575,

 0.2697, 0.0000,

179.7323, 99.1847

0.0000

291.6444,
220.7379, 128.0691

■ 0.0000, 0.0000,
0.0000

■ 42.2986, 22.9658,
5.3354

■ 42.2986, 22.9658,
5.3354

■ 41.2615, 21.5376,
2.9998

■ 44.1863, 25.6479,
9.3367

■ 40.9318, 21.0943,
2.2236

■ 47.0548, 29.7815,
15.2360

■ 51.0138, 35.5345,
23.2299

■ 56.1577, 43.0505,
33.4901

■ 62.5711, 52.4573,
46.1706

70.3304, 63.8711,
61.4120

79.5063, 77.3985,
79.3439

90.1646, 93.1387,
100.0874

94.6828, 99.8107,
108.8828

Harmonies

Analogous

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



47.3128, 22.9658, 22.1145



42.2986, 22.9658, 5.3354



31.7623, 22.9658, 1.0097

Triad

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



42.2986, 22.9658, 5.3354



8.7463, 22.9658, 7.4223



22.8965, 22.9658, 130.6865

Complementary

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



42.2986, 22.9658, 5.3354



52.8820, 77.9698, 98.6657

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.



14.2172, 22.9658, 113.7507



42.2986, 22.9658, 5.3354



7.6762, 22.9658, 28.1389

Square

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



42.2986, 22.9658, 5.3354



12.8925, 22.9658, 1.4071



9.3302, 22.9658, 68.9767



34.1581, 22.9658, 105.6840

Rectangle

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



42.2986, 22.9658, 5.3354



24.2204, 22.9658, 0.3732



9.3302, 22.9658, 68.9767



19.5991, 22.9658, 129.7392

Sweetspot

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



42.2991, 22.9672, 5.3357



69.6574, 62.5235, 59.4064



55.8185, 27.9392, 96.2162



14.3030, 12.4900, 11.5251



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.



42.2991, 22.9672, 5.3357



41.2993, 21.2837, 2.2420



50.2954, 39.2467, 7.1171



18.0406, 17.9995, 18.8307



21.5932, 11.1266, 1.2422



2.1129, 1.0875, 0.1761

Inverse Universe

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



42.2991, 22.9672, 5.3357



41.2993, 21.2837, 2.2420



31.1762, 32.3107, 98.3588



18.0406, 17.9995, 18.8307



21.5932, 11.1266, 1.2422



2.1129, 1.0875, 0.1761

Previews

White Background



This preview shows how the XYZ color 42.2986, 22.9658, 5.3354 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 42.2986, 22.9658, 5.3354 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 42.2986, 22.9658, 5.3354

Background



This preview shows how black text looks on a background with the XYZ color 42.2986, 22.9658, 5.3354.



This preview shows how white text looks on a background with the XYZ color 42.2986, 22.9658,

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

42.2986, 22.9658, 5.3354

Protanopia

21.2328, 23.0441, 10.1663

Deuteranopia

23.3340, 22.8840, 4.6261



Tritanopia

42.1917, 23.0394, 4.4138

Trichromacy



Original Color

42.2986, 22.9658, 5.3354

Protanomaly

25.4825, 19.6432, 7.7586

Deuteranomaly

27.7639, 20.3434, 4.4708

Tritanomaly

42.2106, 22.9880, 4.6950

Monochromacy



Original Color

42.2986, 22.9658, 5.3354

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

19.2702, 14.3320, 10.5548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2986, 22.9658, 5.3354 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(254, 42, 51)` looks like.

```
.text, #text, p{  
    color:rgb(254, 42, 51)  
}
```

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(254, 42, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 42, 51) }
```

Border

The CSS property to change the border of an element to XYZ 42.2986, 22.9658, 5.3354 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(254, 42, 51) }
```


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

```
.border{ border-color:rgb(254, 42, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 42, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 42, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 42, 51);  
box-shadow:4px 4px 4px 4px rgb(254, 42,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2986, 22.9658, 5.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 42, 51) }
```

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

```
.background{ background-color: rgb(254, 42,  
51) }
```

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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