

Converting Colors

XYZ(42.8720, 23.4915, 5.6569)

Have a look what the booklet for
XYZ(42.8720, 23.4915, 5.6569)
contains.

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Color

**XYZ(42.8596, 23.4710,
5.6396)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2E35
RGB	255, 46, 53
RGB Percent	100%, 18%, 21%
CMY	0.0000, 0.8195, 0.7922
CMYK	0.00, 0.82, 0.79, 0.00
HSL	358°, 100%, 59%
HSV	358°, 82%, 100%
XYZ	42.8596, 23.4710, 5.6396
YIQ	109.2890, 122.3170, 46.4850

Conversions

Conversions Part 2

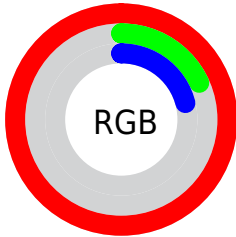
Format	Color
R_{YB}	255, 46, 53
Decimal	16723509
CIE Lab	55.55, 75.00, 48.82
CIE LCh	56, 89.484, 33.062
Yxy	23.4710, 0.5955, 0.3261
Android (android.graphics.Color)	4294913589 (0xFFFF2E35)
YUV	109.2890, -27.7505, 127.7885
Hunter-Lab	48.4469, 73.1319, 27.0110

Details

The XYZ color **42.8596, 23.4710, 5.6396** 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 **53.8335, 78.8792, 101.2097**, and the grayscale version is **14.6726, 15.4367, 16.8106**.

A 20% lighter version of the original color is **49.4941, 34.0098, 16.2678**, and **21.0301, 10.8363, 1.2129** is the 20% darker color. If you saturate the color by 10%, you get **41.7130, 21.8643, 3.1426**, and if you desaturate by 10%, it is **44.8888, 26.3778, 9.8675**.

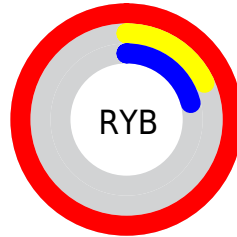
Distribution



Red (100%)

Green (18%)

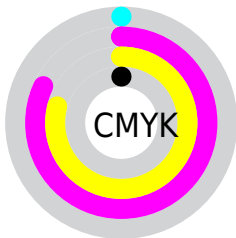
Blue (21%)



Red (100%)

Yellow (18%)

Blue (21%)

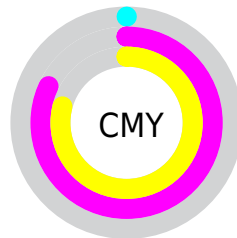


Cyan (0%)

Magenta (82%)

Yellow (79%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8596, 23.4710, 5.6396 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 42.8596, 23.4710, 5.6396 by changing the saturation by 10% instead.


 42.8596, 23.4710,
5.6396


 42.8596, 23.4710,
5.6396


348.9654,
270.1350, 165.0029


 29.9690, 14.9417,
2.5620


 78.7560, 49.1656,
17.6427


 19.9630, 8.7785,
0.8727


 102.4925, 67.0996,
27.4053


 12.4763, 4.5970,
0.0000


 130.5750, 88.9373,
40.2332

 7.1434, 2.0128,
0.0000

 163.3689,
115.0631, 56.5451

 3.5991, 0.6149,
0.0000

 201.2395,
145.8614, 76.7595

 1.4779, 0.0000,
0.0000

 244.5523,

 0.3107, 0.0000,

181.7165, 101.2949

0.0000

293.6724,
223.0129, 130.5699

■ 0.0000, 0.0000,
0.0000

■ 42.8596, 23.4710,
5.6396

■ 42.8596, 23.4710,
5.6396

■ 41.7130, 21.8643,
3.1426

■ 44.8888, 26.3778,
9.8675

■ 41.2864, 21.2785,
2.1757

■ 47.9293, 30.7781,
16.0624

■ 52.0904, 36.8378,
24.4249

■ 57.4669, 44.6995,
35.1305

■ 64.1435, 54.4908,
48.3367

72.1973, 66.3276,
64.1875

81.6993, 80.3165,
82.8159

92.7158, 96.5569,
104.3460

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.



47.8582, 23.4710, 22.6994



42.8596, 23.4710, 5.6396



32.3121, 23.4710, 1.1276

Triad

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



42.8596, 23.4710, 5.6396



9.0894, 23.4710, 7.7345



23.3617, 23.4710, 131.0180

Complementary

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



42.8596, 23.4710, 5.6396



53.8335, 78.8792, 101.2097

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.



14.6174, 23.4710, 114.0991



42.8596, 23.4710, 5.6396



7.9939, 23.4710, 28.6426

Square

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



42.8596, 23.4710, 5.6396



13.3037, 23.4710, 1.5407



9.6714, 23.4710, 69.4814



34.6666, 23.4710, 106.2339

Rectangle

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



42.8596, 23.4710, 5.6396



24.7373, 23.4710, 0.4862



9.6714, 23.4710, 69.4814



20.0441, 23.4710, 130.0455

Sweetspot

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



42.8601, 23.4725, 5.6399



69.5934, 62.4980, 59.0697



56.5271, 28.5072, 97.1302



14.2883, 12.4842, 11.4477



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.



42.8601, 23.4725, 5.6399



41.3709, 21.4009, 2.3464



51.1202, 40.2312, 7.6579



18.0340, 17.9969, 18.7960



21.5838, 11.1228, 1.1928



2.1098, 1.0863, 0.1596

Inverse Universe

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



42.8601, 23.4725, 5.6399



41.3709, 21.4009, 2.3464



31.9151, 33.2765, 99.3480



18.0340, 17.9969, 18.7960



21.5838, 11.1228, 1.1928



2.1098, 1.0863, 0.1596

Previews

White Background



This preview shows how the XYZ color 42.8596, 23.4710, 5.6396 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



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 42.8596, 23.4710, 5.6396

Background



This preview shows how black text looks on a background with the XYZ color 42.8596, 23.4710, 5.6396.



This preview shows how white text looks on a background with the XYZ color 42.8596, 23.4710,

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

42.8596, 23.4710, 5.6396

Protanopia

21.5811, 23.4219, 10.4046

Deuteranopia

24.0563, 23.6309, 4.9624



Tritanopia

42.7497, 23.4903, 4.8657

Trichromacy



Original Color

42.8596, 23.4710, 5.6396

Protanomaly

25.9468, 20.1638, 7.9933

Deuteranomaly

28.6050, 21.1819, 4.7714

Tritanomaly

42.8109, 23.5148, 5.1882

Monochromacy



Original Color

42.8596, 23.4710, 5.6396

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

20.0313, 15.0582, 11.3020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8596, 23.4710, 5.6396 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, 46, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 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, 46, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 53) }
```

Border

The CSS property to change the border of an element to XYZ 42.8596, 23.4710, 5.6396 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, 46, 53) }
```


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

```
.border{ border-color:rgb(255, 46, 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, 46, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8596, 23.4710, 5.6396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 53) }
```

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

```
.background{ background-color: rgb(255, 46,  
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](#).

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