

Converting Colors

XYZ(42.8652, 23.0319, 7.0300)

Have a look what the booklet for
XYZ(42.8652, 23.0319, 7.0300)
contains.

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Color

**XYZ(42.8585, 23.0164,
7.0342)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2640
RGB	255, 38, 64
RGB Percent	100%, 15%, 25%
CMY	0.0000, 0.8509, 0.7490
CMYK	0.00, 0.85, 0.75, 0.00
HSL	353°, 100%, 57%
HSV	353°, 85%, 100%
XYZ	42.8585, 23.0164, 7.0342
YIQ	105.8470, 120.9860, 54.0900

Conversions

Conversions Part 2

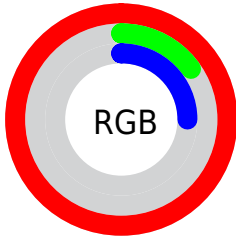
Format	Color
RYB	255, 38, 64
Decimal	16721472
CIELab	55.09, 77.00, 42.32
CIELCh	55, 87.859, 28.793
Yxy	23.0164, 0.5878, 0.3157
Android (android.graphics.Color)	4294911552 (0xFFFF2640)
YUV	105.8470, -20.6306, 130.8072
Hunter-Lab	47.9754, 75.5048, 24.8896

Details

The XYZ color **42.8585, 23.0164, 7.0342** 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 **50.7061, 77.5904, 86.4501**, and the grayscale version is **13.6925, 14.4055, 15.6876**.

A 20% lighter version of the original color is **49.6333, 33.3671, 19.1538**, and **21.1216, 10.8730, 1.6949** is the 20% darker color. If you saturate the color by 10%, you get **41.7876, 21.6997, 4.1348**, and if you desaturate by 10%, it is **44.7442, 25.5524, 11.4728**.

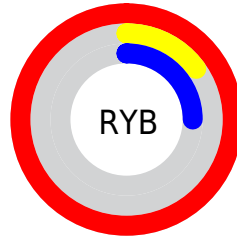
Distribution



Red (100%)

Green (15%)

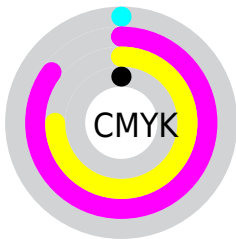
Blue (25%)



Red (100%)

Yellow (15%)

Blue (25%)

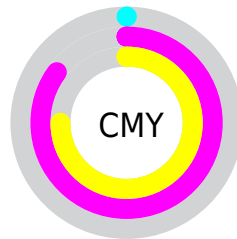


Cyan (0%)

Magenta (85%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8585, 23.0164, 7.0342 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 42.8585, 23.0164, 7.0342 by changing the saturation by 10% instead.


 42.8585, 23.0164,
7.0342


 42.8585, 23.0164,
7.0342


348.9609,
267.8092, 177.5893


 29.9681, 14.6056,
3.4047


 78.7543, 48.4203,
20.5560

 19.9624, 8.5431,
1.3048


 102.4905, 66.1821,
31.2854


 12.4758, 4.4444,
0.0657

 130.5727, 87.8298,
45.2186

 7.1431, 1.9251,
0.0000

 163.3662,
113.7477, 62.7740

 3.5989, 0.5634,
0.0000

 201.2365,
144.3202, 84.3703

 1.4778, 0.0000,
0.0000

 244.5487,

 0.3107, 0.0000,

179.9317, 110.4259

0.0000

293.6684,
220.9665, 141.3594

■ 0.0000, 0.0000,
0.0000

■ 42.8585, 23.0164,
7.0342

■ 42.8585, 23.0164,
7.0342

■ 41.7876, 21.6997,
4.1348

■ 44.7442, 25.5524,
11.4728

■ 41.4808, 21.3563,
3.1998

■ 47.5688, 29.5106,
17.6273

■ 51.4363, 35.0612,
25.6509

■ 56.4365, 42.3493,
35.6795

■ 62.6495, 51.5037,
47.8362

70.1479, 62.6410,
62.2340

78.9987, 75.8682,
78.9782

89.2641, 91.2846,
98.1671

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.



46.5984, 23.0164, 26.2133



42.8585, 23.0164, 7.0342



33.1466, 23.0164, 1.4515

Triad

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



42.8585, 23.0164, 7.0342



9.4060, 23.0164, 6.2246



21.4824, 23.0164, 126.7798

Complementary

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



42.8585, 23.0164, 7.0342



50.7061, 77.5904, 86.4501

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.



13.5031, 23.0164, 105.1910



42.8585, 23.0164, 7.0342



7.9407, 23.0164, 23.9429

Square

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



42.8585, 23.0164, 7.0342



14.0070, 23.0164, 1.2881



9.1820, 23.0164, 61.0114



32.2492, 23.0164, 108.1723

Rectangle

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



42.8585, 23.0164, 7.0342



25.7412, 23.0164, 0.6151



9.1820, 23.0164, 61.0114



18.4192, 23.0164, 123.8102

Sweetspot

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



42.8590, 23.0178, 7.0345



69.4096, 61.5409, 60.8259



50.1295, 24.7877, 96.7494



14.2775, 12.3110, 11.9117



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.



42.8590, 23.0178, 7.0345



41.4811, 21.3565, 3.1998



48.0193, 34.2586, 5.9175



18.0978, 18.0224, 19.1322



21.7024, 11.1703, 1.8174



2.1399, 1.0984, 0.3184

Inverse Universe

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



42.8590, 23.0178, 7.0345



41.4811, 21.3565, 3.1998



34.2662, 38.4648, 100.2254



18.0978, 18.0224, 19.1322



21.7024, 11.1703, 1.8174



2.1399, 1.0984, 0.3184

Previews

White Background



This preview shows how the XYZ color 42.8585, 23.0164, 7.0342 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 42.8585, 23.0164, 7.0342 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 42.8585, 23.0164, 7.0342

Background



This preview shows how black text looks on a background with the XYZ color 42.8585, 23.0164, 7.0342.



This preview shows how white text looks on a background with the XYZ color 42.8585, 23.0164,

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

42.8585, 23.0164, 7.0342

Protanopia

21.5547, 23.1325, 13.6849

Deuteranopia

23.5536, 23.1513, 6.2449



Tritanopia

42.1372, 22.9587, 4.3084

Trichromacy



Original Color

42.8585, 23.0164, 7.0342

Protanomaly

25.6578, 19.5349, 10.4009

Deuteranomaly

27.9810, 20.2870, 6.0555

Tritanomaly

42.2204, 22.8785, 5.0965

Monochromacy



Original Color

42.8585, 23.0164, 7.0342

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

19.3280, 14.1138, 11.6031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8585, 23.0164, 7.0342 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, 38, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 64)  
}
```

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, 38, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 64) }
```

Border

The CSS property to change the border of an element to XYZ 42.8585, 23.0164, 7.0342 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, 38, 64) }
```


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

```
.border{ border-color:rgb(255, 38, 64) }
```

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

Here you see how a box with a 4 pixel rgb(255, 38, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8585, 23.0164, 7.0342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 64) }
```

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

```
.background{ background-color: rgb(255, 38,  
64) }
```

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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