

Converting Colors

XYZ(42.9391, 23.2925, 6.7069)

Have a look what the booklet for
XYZ(42.9391, 23.2925, 6.7069)
contains.

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Color

**XYZ(42.9462, 23.3247,
6.6535)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2B3D
RGB	255, 43, 61
RGB Percent	100%, 17%, 24%
CMY	0.0000, 0.8313, 0.7608
CMYK	0.00, 0.83, 0.76, 0.00
HSL	355°, 100%, 58%
HSV	355°, 83%, 100%
XYZ	42.9462, 23.3247, 6.6535
YIQ	108.4400, 120.5740, 50.5420

Conversions

Conversions Part 2

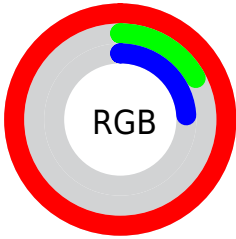
Format	Color
R_{YB}	255, 43, 61
Decimal	16722749
CIE _{Lab}	55.41, 75.90, 44.34
CIE _{LCh}	55, 87.897, 30.293
Yxy	23.3247, 0.5889, 0.3198
Android (android.graphics.Color)	4294912829 (0xFFFF2B3D)
YUV	108.4400, -23.3879, 128.5331
Hunter-Lab	48.2957, 74.2111, 25.6388

Details

The XYZ color **42.9462, 23.3247, 6.6535** 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 **52.0460, 78.1492, 92.4778**, and the grayscale version is **14.4205, 15.1715, 16.5217**.

A 20% lighter version of the original color is **49.7945, 33.9525, 18.3970**, and **21.0954, 10.8625, 1.5571** is the 20% darker color. If you saturate the color by 10%, you get **41.7928, 21.8149, 3.8134**, and if you desaturate by 10%, it is **44.9521, 26.1029, 11.1262**.

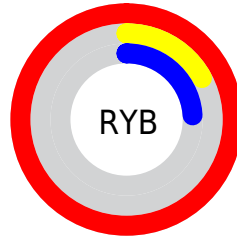
Distribution



Red (100%)

Green (17%)

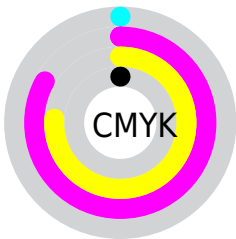
Blue (24%)



Red (100%)

Yellow (17%)

Blue (24%)

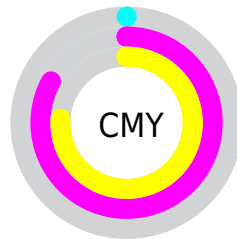


Cyan (0%)

Magenta (83%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (83%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9462, 23.3247, 6.6535 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 42.9462, 23.3247, 6.6535 by changing the saturation by 10% instead.


 42.9462, 23.3247,
6.6535


 42.9462, 23.3247,
6.6535


349.3157,
269.3884, 174.2729


 30.0372, 14.8334,
3.1712


 78.8859, 48.9259,
19.7735

 20.0151, 8.7026,
1.1827


 102.6473, 66.8047,
30.2484

 12.5143, 4.5477,
0.0000


 130.7570, 88.5814,
43.8911

 7.1697, 1.9844,
0.0000

 163.5802,
114.6405, 61.1204

 3.6157, 0.5984,
0.0000

 201.4823,
145.3664, 82.3546

 1.4871, 0.0000,
0.0000

 244.8287,

 0.3170, 0.0000,

181.1434, 108.0124

0.0000

293.9847,
222.3559, 138.5124

■ 0.0000, 0.0000,
0.0000

■ 42.9462, 23.3247,
6.6535

■ 42.9462, 23.3247,
6.6535

■ 41.7928, 21.8149,
3.8134

■ 44.9521, 26.1029,
11.1262

■ 41.3810, 21.3163,
2.6738

■ 47.9339, 30.3450,
17.4276

■ 51.9964, 36.2171,
25.7272

■ 57.2303, 43.8621,
36.1745

■ 63.7169, 53.4071,
48.9051

71.5299, 64.9677,
64.0430

80.7377, 78.6501,
81.7036

91.4035, 94.5531,
101.9947

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.



47.1032, 23.3247, 25.1199



42.9462, 23.3247, 6.6535



32.9771, 23.3247, 1.3923

Triad

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



42.9462, 23.3247, 6.6535



9.4260, 23.3247, 6.8524



22.2666, 23.3247, 127.8699

Complementary

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



42.9462, 23.3247, 6.6535



52.0460, 78.1492, 92.4778

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.



14.0260, 23.3247, 107.9983



42.9462, 23.3247, 6.6535



8.0838, 23.3247, 25.6754

Square

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



42.9462, 23.3247, 6.6535



13.9026, 23.3247, 1.4327



9.4809, 23.3247, 63.9025



33.1965, 23.3247, 107.2709

Rectangle

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



42.9462, 23.3247, 6.6535



25.5288, 23.3247, 0.6214



9.4809, 23.3247, 63.9025



19.1185, 23.3247, 125.5975

Sweetspot

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



42.9467, 23.3261, 6.6538



69.9641, 62.6462, 61.0218



52.7811, 26.4082, 96.9225



14.3737, 12.5183, 11.8975



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.



42.9467, 23.3261, 6.6538



41.3813, 21.3165, 2.6738



49.3710, 36.8240, 6.7932



18.0719, 18.0121, 18.9958



21.6440, 11.1469, 1.5097



2.1278, 1.0935, 0.2542

Inverse Universe

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



42.9467, 23.3261, 6.6538



41.3813, 21.3165, 2.6738



33.4609, 36.5617, 99.9006



18.0719, 18.0121, 18.9958



21.6440, 11.1469, 1.5097



2.1278, 1.0935, 0.2542

Previews

White Background



This preview shows how the XYZ color 42.9462, 23.3247, 6.6535 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 42.9462, 23.3247, 6.6535 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 42.9462, 23.3247, 6.6535

Background



This preview shows how black text looks on a background with the XYZ color 42.9462, 23.3247, 6.6535.



This preview shows how white text looks on a background with the XYZ color 42.9462, 23.3247,

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

42.9462, 23.3247, 6.6535

Protanopia

21.6506, 23.4089, 12.6098

Deuteranopia

23.6998, 23.2339, 5.9248



Tritanopia

42.6906, 23.4035, 4.7499

Trichromacy



Original Color

42.9462, 23.3247, 6.6535

Protanomaly

25.6995, 19.8547, 9.6856

Deuteranomaly

28.0914, 20.6194, 5.7482

Tritanomaly

42.7759, 23.3758, 5.3894

Monochromacy



Original Color

42.9462, 23.3247, 6.6535

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

19.7566, 14.6730, 11.6884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9462, 23.3247, 6.6535 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, 43, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 61)  
}
```

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, 43, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 61) }
```

Border

The CSS property to change the border of an element to XYZ 42.9462, 23.3247, 6.6535 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, 43, 61) }
```


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

```
.border{ border-color:rgb(255, 43, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 43, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9462, 23.3247, 6.6535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 43, 61) }
```

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

```
.background{ background-color: rgb(255, 43,  
61) }
```

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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