

Converting Colors

XYZ(42.2867, 23.6842, 7.7149)

Have a look what the booklet for
XYZ(42.2867, 23.6842, 7.7149)
contains.

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Color

**XYZ(42.1630, 23.6469,
7.6523)**

Conversions

Conversions Part 1

Format	Color
Hex	FB3743
RGB	251, 55, 67
RGB Percent	98%, 22%, 26%
CMY	0.0157, 0.7842, 0.7373
CMYK	0.00, 0.78, 0.73, 0.02
HSL	356°, 96%, 60%
HSV	356°, 78%, 98%
XYZ	42.1630, 23.6469, 7.6523
YIQ	114.9720, 112.9640, 45.2840

Conversions

Conversions Part 2

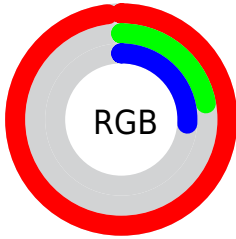
Format	Color
RYB	251, 55, 67
Decimal	16463683
CIELab	55.73, 72.14, 41.14
CIELCh	56, 83.045, 29.697
Yxy	23.6469, 0.5739, 0.3219
Android (android.graphics.Color)	4294653763 (0xFFFB3743)
YUV	114.9720, -23.6502, 119.2966
Hunter-Lab	48.6281, 69.6694, 24.7096

Details

The XYZ color **42.1630, 23.6469, 7.6523** 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 **51.6557, 76.0395, 93.6278**, and the grayscale version is **16.3349, 17.1856, 18.7151**.

A 20% lighter version of the original color is **50.9313, 35.6915, 20.4244**, and **20.4044, 10.5010, 1.7621** is the 20% darker color. If you saturate the color by 10%, you get **40.6897, 21.6111, 4.3544**, and if you desaturate by 10%, it is **44.5303, 27.0114, 12.6664**.

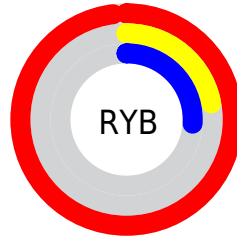
Distribution



Red (98%)

Green (22%)

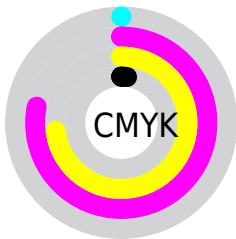
Blue (26%)



Red (98%)

Yellow (22%)

Blue (26%)

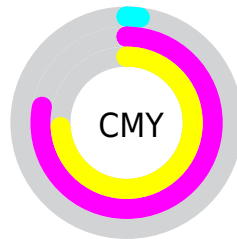


Cyan (0%)

Magenta (78%)

Yellow (73%)

Black (2%)



Cyan (2%)


Magenta (78%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1630, 23.6469, 7.6523 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 42.1630, 23.6469, 7.6523 by changing the saturation by 10% instead.


 42.1630, 23.6469,
7.6523


 42.1630, 23.6469,
7.6523


346.1383,
271.0304, 182.8104


 29.4206, 15.0719,
3.7887


 77.7099, 49.4534,
21.8087


 19.5451, 8.8699,
1.5102


 101.2451, 67.4536,
32.9387

 12.1712, 4.6564,
0.2255

 129.1086, 89.3644,
47.3278

 6.9334, 2.0471,
0.0000

 161.6658,
115.5702, 65.3947

 3.4664, 0.6346,
0.0000

 199.2820,
146.4553, 87.5578

 1.4050, 0.0000,
0.0000

242.3226,

 0.2598, 0.0000,

182.4041, 114.2358

0.0000

291.1529,
223.8010, 145.8471

■ 0.0000, 0.0000,
0.0000

■ 42.1630, 23.6469,
7.6523

■ 42.1630, 23.6469,
7.6523

■ 40.6897, 21.6111,
4.3544

■ 44.5303, 27.0114,
12.6664

■ 39.9608, 20.6637,
2.5381

■ 47.9018, 31.8744,
19.5864

■ 39.8721, 20.5446,
2.3291

■ 52.3737, 38.3849,
28.5782

■ 58.0303, 46.6732,
39.7895

■ 64.9478, 56.8560,
53.3541

73.1959, 69.0407,
69.3958

82.8393, 83.3261,
88.0291

93.5934, 99.2491,
108.8318

Harmonies

Analogous

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



45.8850, 23.6469, 26.0230



42.1630, 23.6469, 7.6523



32.9080, 23.6469, 1.9113

Triad

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



42.1630, 23.6469, 7.6523



10.1855, 23.6469, 7.4424



22.3799, 23.6469, 120.2329

Complementary

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



42.1630, 23.6469, 7.6523



51.6557, 76.0395, 93.6278

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.



14.5202, 23.6469, 101.5029



42.1630, 23.6469, 7.6523



8.7944, 23.6469, 25.4738

Square

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



42.1630, 23.6469, 7.6523



14.6446, 23.6469, 1.8632



10.1290, 23.6469, 60.9374



32.6943, 23.6469, 102.1898

Rectangle

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



42.1630, 23.6469, 7.6523



25.8729, 23.6469, 1.0062



10.1290, 23.6469, 60.9374



19.3896, 23.6469, 117.9133

Sweetspot

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



42.1635, 23.6483, 7.6526



71.4769, 65.0651, 63.3961



54.0171, 27.8647, 93.7976



14.6565, 12.9780, 12.3182



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.



42.1635, 23.6483, 7.6526



41.6489, 21.7037, 3.2195



49.8431, 39.5245, 8.6185



17.2876, 17.2424, 18.1045



20.9755, 10.8059, 1.3134



1.9573, 1.0067, 0.1986

Inverse Universe

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



42.1635, 23.6483, 7.6526



41.6489, 21.7037, 3.2195



32.6385, 35.0769, 96.3164



17.2876, 17.2424, 18.1045



20.9755, 10.8059, 1.3134



1.9573, 1.0067, 0.1986

Previews

White Background



This preview shows how the XYZ color 42.1630, 23.6469, 7.6523 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 42.1630, 23.6469, 7.6523 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 42.1630, 23.6469, 7.6523

Background



This preview shows how black text looks on a background with the XYZ color 42.1630, 23.6469, 7.6523.



This preview shows how white text looks on a background with the XYZ color 42.1630, 23.6469,

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

42.1630, 23.6469, 7.6523

Protanopia

22.1779, 23.8603, 13.7925

Deuteranopia

24.0048, 23.5616, 6.8971



Tritanopia

42.0105, 23.7410, 6.3713

Trichromacy



Original Color

42.1630, 23.6469, 7.6523

Protanomaly

26.4190, 20.9336, 11.0357

Deuteranomaly

28.4691, 21.4934, 6.7858

Tritanomaly

42.0401, 23.6745, 6.7688

Monochromacy



Original Color

42.1630, 23.6469, 7.6523

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

21.4288, 16.6031, 13.6306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1630, 23.6469, 7.6523 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(251, 55, 67)` looks like.

```
.text, #text, p{  
    color:rgb(251, 55, 67)  
}
```

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(251, 55, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 55, 67) }
```

Border

The CSS property to change the border of an element to XYZ 42.1630, 23.6469, 7.6523 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(251, 55, 67) }
```


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

```
.border{ border-color:rgb(251, 55, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 55, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 55, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 55, 67);  
box-shadow:4px 4px 4px 4px rgb(251, 55,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1630, 23.6469, 7.6523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 55, 67) }
```

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

```
.background{ background-color: rgb(251, 55,  
67) }
```

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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