

Converting Colors

XYZ(40.4682, 23.2711, 6.4424)

Have a look what the booklet for
XYZ(40.4682, 23.2711, 6.4424)
contains.

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Color

**XYZ(40.4642, 23.2461,
6.4919)**

Conversions

Conversions Part 1

Format	Color
Hex	F63D3B
RGB	246, 61, 59
RGB Percent	96%, 24%, 23%
CMY	0.0353, 0.7607, 0.7686
CMYK	0.00, 0.75, 0.76, 0.04
HSL	1°, 91%, 60%
HSV	1°, 76%, 96%
XYZ	40.4642, 23.2461, 6.4919
YIQ	116.0870, 110.9020, 38.5980

Conversions

Conversions Part 2

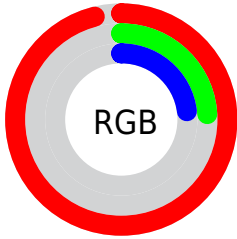
Format	Color
R_{YB}	246, 61, 59
Decimal	16137531
CIE _{Lab}	55.32, 68.70, 44.84
CIE _{LCh}	55, 82.042, 33.132
Yxy	23.2461, 0.5764, 0.3311
Android (android.graphics.Color)	4294327611 (0xFFFF63D3B)
YUV	116.0870, -28.1439, 113.9337
Hunter-Lab	48.2142, 65.4328, 25.7667

Details

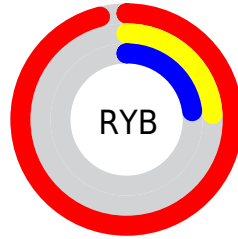
The XYZ color **40.4642, 23.2461, 6.4919** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **50.7843, 72.2761, 98.4622**, and the grayscale version is **16.6888, 17.5579, 19.1205**.

A 20% lighter version of the original color is **50.8534, 36.2406, 18.2248**, and **19.1423, 9.8582, 1.3459** is the 20% darker color. If you saturate the color by 10%, you get **38.9520, 21.0138, 3.5469**, and if you desaturate by 10%, it is **42.8665, 26.7787, 11.2152**.

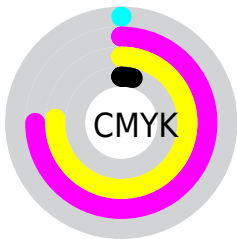
Distribution



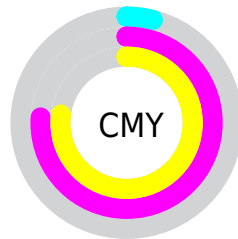
- Red (96%)
- Green (24%)
- Blue (23%)



- Red (96%)
- Yellow (24%)
- Blue (23%)



- Cyan (0%)
- Magenta (75%)
- Yellow (76%)
- Black (4%)





- Cyan (4%)
- Magenta (76%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4642, 23.2461, 6.4919 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 40.4642, 23.2461, 6.4919 by changing the saturation by 10% instead.


 40.4642, 23.2461,
6.4919


 40.4642, 23.2461,
6.4919


339.1772,
268.9865, 172.8399


 28.0865, 14.7753,
3.0728


 75.1497, 48.7971,
19.4387

 18.5316, 8.6619,
1.1319


 98.1882, 66.6461,
29.8034

 11.4343, 4.5213,
0.0000


 125.5110, 88.3900,
43.3206

 6.4292, 1.9692,
0.0000

 157.4835,
114.4132, 60.4085

 3.1509, 0.5895,
0.0000

 194.4710,
145.1001, 81.4859

 1.2341, 0.0000,
0.0000

 236.8389,

 0.1330, 0.0000,

180.8350, 106.9712

0.0000

284.9525,
222.0023, 137.2830

■ 0.0000, 0.0000,
0.0000

■ 40.4642, 23.2461,
6.4919

■ 40.4642, 23.2461,
6.4919

■ 38.9520, 21.0138,
3.5469

■ 42.8665, 26.7787,
11.2152

■ 38.1951, 19.8855,
2.1066


■ 46.2652, 31.7636,
17.9359


■ 38.0345, 19.6502,
1.7882


■ 50.7534, 38.3362,
26.8427

■ 56.4132, 46.6155,
38.1022

■ 63.3188, 56.7091,
51.8648

 71.5382, 68.7156,
68.2685

 81.1345, 82.7268,
87.4412

 91.8158, 98.3327,
108.7486

Harmonies

Analogous

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



44.8811, 23.2461, 22.6432



40.4642, 23.2461, 6.4919



31.0918, 23.2461, 1.6798

Triad

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



40.4642, 23.2461, 6.4919



9.7739, 23.2461, 8.6255



23.0752, 23.2461, 117.0721

Complementary

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



40.4642, 23.2461, 6.4919



50.7843, 72.2761, 98.4622

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.



15.0259, 23.2461, 102.7297



40.4642, 23.2461, 6.4919



8.7209, 23.2461, 28.1806

Square

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



40.4642, 23.2461, 6.4919



13.7684, 23.2461, 2.1755



10.3457, 23.2461, 64.3226



33.2413, 23.2461, 95.8477

Rectangle

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



40.4642, 23.2461, 6.4919



24.2783, 23.2461, 0.9743



10.3457, 23.2461, 64.3226



20.0462, 23.2461, 116.2747

Sweetspot

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



40.4647, 23.2475, 6.4922



71.2058, 65.1857, 61.2628



56.2042, 29.3745, 89.8957



14.5932, 13.0060, 11.8207



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.



40.4647, 23.2475, 6.4922



41.7515, 22.0363, 2.8609



50.1047, 42.5276, 9.7056



16.5135, 16.5111, 17.1142



20.3079, 10.5014, 0.9566



1.7898, 0.9329, 0.0857

Inverse Universe

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



50.7843, 72.2761, 98.4622



53.3701, 77.3374, 106.7224



29.7476, 30.2027, 91.4500



16.9805, 18.7254, 21.2620



26.0495, 37.8929, 52.4791



2.2943, 3.3401, 4.6140

Previews

White Background



This preview shows how the XYZ color 40.4642, 23.2461, 6.4919 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 40.4642, 23.2461, 6.4919 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 40.4642, 23.2461, 6.4919

Background



This preview shows how black text looks on a background with the XYZ color 40.4642, 23.2461, 6.4919.



This preview shows how white text looks on a background with the XYZ color 40.4642, 23.2461,

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

40.4642, 23.2461, 6.4919

Protanopia

21.5498, 23.3889, 11.1633

Deuteranopia

23.6799, 23.2260, 5.8198



Tritanopia

40.5443, 23.2781, 6.9136

Trichromacy



Original Color

40.4642, 23.2461, 6.4919

Protanomaly

25.7517, 20.9415, 8.9882

Deuteranomaly

27.8546, 21.3439, 5.7836

Tritanomaly

40.5171, 23.2672, 6.7704

Monochromacy



Original Color

40.4642, 23.2461, 6.4919

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

21.3527, 16.9785, 12.9782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4642, 23.2461, 6.4919 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(246, 61, 59)` looks like.

```
.text, #text, p{  
    color:rgb(246, 61, 59)  
}
```

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(246, 61, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 61, 59) }
```

Border

The CSS property to change the border of an element to XYZ 40.4642, 23.2461, 6.4919 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(246, 61, 59) }
```


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

```
.border{ border-color:rgb(246, 61, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 61, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 61, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 61, 59);  
box-shadow:4px 4px 4px 4px rgb(246, 61,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4642, 23.2461, 6.4919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 61, 59) }
```

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

```
.background{ background-color: rgb(246, 61,  
59) }
```

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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