

Converting Colors

XYZ(40.5281, 23.1589, 12.2585)

Have a look what the booklet for
XYZ(40.5281, 23.1589, 12.2585)
contains.

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Color

**XYZ(40.5192, 23.1475,
12.2298)**

Conversions

Conversions Part 1

Format	Color
Hex	F33D5B
RGB	243, 61, 91
RGB Percent	95%, 24%, 36%
CMY	0.0471, 0.7607, 0.6431
CMYK	0.00, 0.75, 0.63, 0.05
HSL	350°, 88%, 60%
HSV	350°, 75%, 95%
XYZ	40.5192, 23.1475, 12.2298
YIQ	118.8380, 98.8420, 47.9140

Conversions

Conversions Part 2

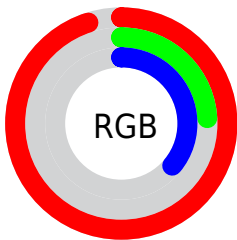
Format	Color
RYB	243, 61, 91
Decimal	15940955
CIELab	55.22, 69.31, 26.30
CIELCh	55, 74.132, 20.781
Yxy	23.1475, 0.5339, 0.3050
Android (android.graphics.Color)	4294131035 (0xFFFF33D5B)
YUV	118.8380, -13.7241, 108.8901
Hunter-Lab	48.1118, 66.1347, 18.6071

Details

The XYZ color **40.5192, 23.1475, 12.2298** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **45.9876, 69.8981, 74.0272**, and the grayscale version is **17.5052, 18.4169, 20.0560**.

A 20% lighter version of the original color is **53.0073, 37.1022, 29.5669**, and **19.0835, 9.7810, 3.4669** is the 20% darker color. If you saturate the color by 10%, you get **38.7425, 20.8111, 7.8866**, and if you desaturate by 10%, it is **43.1208, 26.7553, 18.0162**.

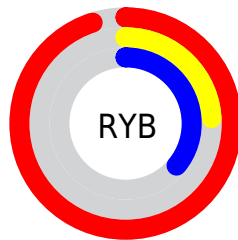
Distribution



Red (95%)

Green (24%)

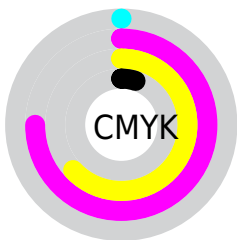
Blue (36%)



Red (95%)

Yellow (24%)

Blue (36%)

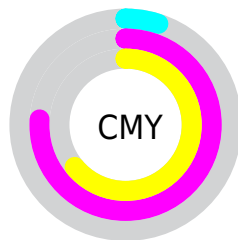


Cyan (0%)

Magenta (75%)

Yellow (63%)

Black (5%)



Cyan (5%)


Magenta (76%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5192, 23.1475, 12.2298 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 40.5192, 23.1475, 12.2298 by changing the saturation by 10% instead.

 40.5192, 23.1475,
12.2298

 40.5192, 23.1475,
12.2298


339.4041,
268.4817, 216.9524


 28.1296, 14.7025,
6.7759


 75.2328, 48.6354,
30.5836

 18.5643, 8.6108,
3.2461


 98.2875, 66.4471,
44.3206


 11.4580, 4.4882,
1.2216


 125.6280, 88.1497,
61.6557

 6.4454, 1.9502,
0.0000

 157.6196,
114.1278, 83.0076

 3.1609, 0.5783,
0.0000

 194.6276,
144.7656, 108.7946

 1.2394, 0.0000,
0.0000

237.0175,

 0.1372, 0.0000,

180.4476, 139.4354

0.0000

285.1545,
221.5581, 175.3485

■ 0.0000, 0.0000,
0.0000

■ 40.5192, 23.1475,
12.2298

■ 40.5192, 23.1475,
12.2298

■ 38.7425, 20.8111,
7.8866

■ 43.1208, 26.7553,
18.0162

■ 37.6831, 19.5615,
4.8537


■ 46.6333, 31.7780,
25.3597


■ 37.3456, 19.2080,
3.7502


■ 51.1334, 38.3442,
34.3639


■ 56.6893, 46.5668,
45.1229

■ 63.3629, 56.5483,
57.7238

 71.2114, 68.3826,
72.2477

 80.2878, 82.1572,
88.7709

 90.5102, 97.6899,
107.3216

 90.7719, 97.7946,
108.6998

Harmonies

Analogous

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



41.7807, 23.1475, 33.2460



40.5192, 23.1475, 12.2298



33.6951, 23.1475, 3.8014

Triad

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



40.5192, 23.1475, 12.2298



11.8192, 23.1475, 5.9576



19.5452, 23.1475, 102.4395

Complementary

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



40.5192, 23.1475, 12.2298



45.9876, 69.8981, 74.0272

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.



13.3841, 23.1475, 79.6841



40.5192, 23.1475, 12.2298



9.7208, 23.1475, 18.5757

Square

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



40.5192, 23.1475, 12.2298



16.8168, 23.1475, 2.0831



10.2109, 23.1475, 45.1152



28.1542, 23.1475, 96.4965

Rectangle

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



40.5192, 23.1475, 12.2298



27.6754, 23.1475, 2.0034



10.2109, 23.1475, 45.1152



17.1607, 23.1475, 97.5425

Sweetspot

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



40.5197, 23.1489, 12.2302



73.0433, 66.6220, 68.7769



45.1915, 23.9066, 87.0261



15.1521, 13.5348, 13.8229



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.



40.5197, 23.1489, 12.2302



42.5045, 22.3393, 6.8207



44.7244, 33.2312, 8.4739



16.6105, 16.5271, 17.6955



20.5292, 10.5551, 2.2292



1.8359, 0.9403, 0.3623

Inverse Universe

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



40.5197, 23.1489, 12.2302



42.5045, 22.3393, 6.8207



34.9000, 41.0579, 90.8791



16.6105, 16.5271, 17.6955



20.5292, 10.5551, 2.2292



1.8359, 0.9403, 0.3623

Previews

White Background



This preview shows how the XYZ color 40.5192, 23.1475, 12.2298 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 40.5192, 23.1475, 12.2298 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 40.5192, 23.1475, 12.2298

Background



This preview shows how black text looks on a background with the XYZ color 40.5192, 23.1475, 12.2298.



This preview shows how white text looks on a background with the XYZ color 40.5192, 23.1475,

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

40.5192, 23.1475, 12.2298

Protanopia

22.2453, 23.3109, 21.7394

Deuteranopia

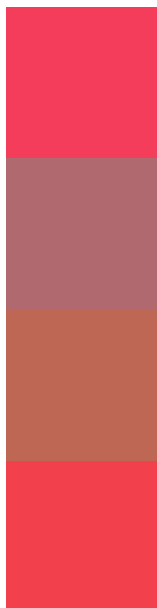
23.6096, 23.2615, 11.2282



Tritanopia

39.6096, 23.1910, 7.8575

Trichromacy



Original Color

40.5192, 23.1475, 12.2298

Protanomaly

25.9278, 20.6859, 17.6652

Deuteranomaly

27.7251, 21.3035, 11.2450

Tritanomaly

39.7559, 23.0658, 9.1943

Monochromacy



Original Color

40.5192, 23.1475, 12.2298

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

22.4378, 17.7320, 16.7080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5192, 23.1475, 12.2298 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(243, 61, 91)` looks like.

```
.text, #text, p{  
    color:rgb(243, 61, 91)  
}
```

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(243, 61, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 61, 91) }
```

Border

The CSS property to change the border of an element to XYZ 40.5192, 23.1475, 12.2298 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(243, 61, 91) }
```


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

```
.border{ border-color:rgb(243, 61, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 61, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 61, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 61, 91);  
box-shadow:4px 4px 4px 4px rgb(243, 61,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5192, 23.1475, 12.2298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 61, 91) }
```

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

```
.background{ background-color: rgb(243, 61,  
91) }
```

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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