

Converting Colors

XYZ(39.9984, 23.1269, 10.5883)

Have a look what the booklet for
XYZ(39.9984, 23.1269, 10.5883)
contains.

XYZ(40.0127, 23.1686, 10.5467)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.0127, 23.1686,
10.5467)**

Conversions

Conversions Part 1

Format	Color
Hex	F24053
RGB	242, 64, 83
RGB Percent	95%, 25%, 33%
CMY	0.0510, 0.7490, 0.6745
CMYK	0.00, 0.74, 0.66, 0.05
HSL	354°, 87%, 60%
HSV	354°, 74%, 95%
XYZ	40.0127, 23.1686, 10.5467
YIQ	119.3880, 99.9890, 43.6450

Conversions

Conversions Part 2

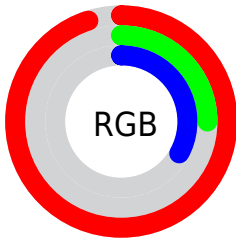
Format	Color
R_{YB}	242, 64, 83
Decimal	15876179
CIE _{Lab}	55.25, 67.64, 30.99
CIE _{LCh}	55, 74.401, 24.613
Yxy	23.1686, 0.5427, 0.3142
Android (android.graphics.Color)	4294066259 (0xFFFF24053)
YUV	119.3880, -17.9393, 107.5307
Hunter-Lab	48.1338, 64.1496, 20.7025

Details

The XYZ color **40.0127, 23.1686, 10.5467** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed red. A complement of this color would be **47.1881, 69.9227, 80.8299**, and the grayscale version is **17.6922, 18.6136, 20.2702**.

A 20% lighter version of the original color is **52.6125, 37.3412, 26.2644**, and **18.7099, 9.6049, 2.7015** is the 20% darker color. If you saturate the color by 10%, you get **38.2229, 20.7232, 6.4545**, and if you desaturate by 10%, it is **42.6552, 26.9037, 16.2069**.

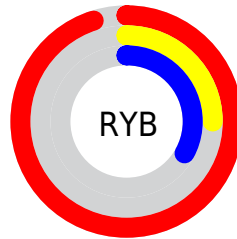
Distribution



Red (95%)

Green (25%)

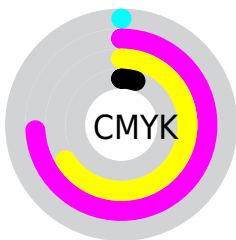
Blue (33%)



Red (95%)

Yellow (25%)

Blue (33%)

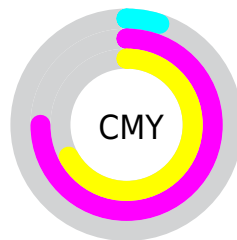


Cyan (0%)

Magenta (74%)

Yellow (66%)

Black (5%)



Cyan (5%)


Magenta (75%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0127, 23.1686, 10.5467 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 40.0127, 23.1686, 10.5467 by changing the saturation by 10% instead.

 40.0127, 23.1686,
10.5467


 40.0127, 23.1686,
10.5467


337.3106,
268.5898, 205.1552

 27.7327, 14.7180,
5.6526


 74.4671, 48.6700,
27.4426

 18.2637, 8.6217,
2.5697


 97.3722, 66.4897,
40.2814


 11.2403, 4.4953,
0.8767


 124.5496, 88.2012,
56.6056

 6.2972, 1.9543,
0.0000

 156.3649,
114.1889, 76.8336

 3.0690, 0.5807,
0.0000

 193.1832,
144.8372, 101.3840

 1.1904, 0.0000,
0.0000

235.3701,

 0.0987, 0.0000,

180.5305, 130.6754

0.0000

283.2908,
221.6532, 165.1263

■ 0.0000, 0.0000,
0.0000

■ 40.0127, 23.1686,
10.5467

■ 40.0127, 23.1686,
10.5467

■ 38.2229, 20.7232,
6.4545

■ 42.6552, 26.9037,
16.2069

■ 37.1764, 19.3880,
3.7693


■ 46.2388, 32.0694,
23.5720


■ 36.8021, 18.9509,
2.6847

■ 50.8424, 38.7922,
32.7650

■ 56.5360, 47.1840,
43.8974

■ 63.3835, 57.3461,
57.0717

 71.4440, 69.3720,
72.3830

 80.7723, 83.3484,
89.9205

 90.4277, 97.6171,
108.6837

Harmonies

Analogous

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



42.1083, 23.1686, 29.7797



40.0127, 23.1686, 10.5467



32.6510, 23.1686, 3.2723

Triad

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



40.0127, 23.1686, 10.5467



11.3801, 23.1686, 6.9038



20.5523, 23.1686, 103.9128

Complementary

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



40.0127, 23.1686, 10.5467



47.1881, 69.9227, 80.8299

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.



13.9919, 23.1686, 84.0868



40.0127, 23.1686, 10.5467



9.6208, 23.1686, 21.1631

Square

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



40.0127, 23.1686, 10.5467



16.0051, 23.1686, 2.2887



10.4396, 23.1686, 49.5382



29.3823, 23.1686, 94.0603

Rectangle

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



40.0127, 23.1686, 10.5467



26.5469, 23.1686, 1.8164



10.4396, 23.1686, 49.5382



18.0413, 23.1686, 100.2547

Sweetspot

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



40.0132, 23.1700, 10.5471



72.6459, 66.4631, 66.6844



47.7513, 25.4880, 86.4068



15.0602, 13.4980, 13.3388



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.



40.0132, 23.1700, 10.5471



42.3982, 22.4906, 5.6632



45.8276, 35.8155, 9.3502



15.8413, 15.7862, 16.7207



19.7941, 10.1901, 1.5663



1.6693, 0.8568, 0.2492

Inverse Universe

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



40.0132, 23.1700, 10.5471



42.3982, 22.4906, 5.6632



33.2341, 37.6850, 89.5262



15.8413, 15.7862, 16.7207



19.7941, 10.1901, 1.5663



1.6693, 0.8568, 0.2492

Previews

White Background



This preview shows how the XYZ color 40.0127, 23.1686, 10.5467 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 40.0127, 23.1686, 10.5467 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 40.0127, 23.1686, 10.5467

Background



This preview shows how black text looks on a background with the XYZ color 40.0127, 23.1686, 10.5467.



This preview shows how white text looks on a background with the XYZ color 40.0127, 23.1686,

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

40.0127, 23.1686, 10.5467

Protanopia

21.8810, 23.2038, 18.0774

Deuteranopia

23.7257, 23.3545, 9.7360



Tritanopia

39.3570, 23.1448, 8.0233

Trichromacy



Original Color

40.0127, 23.1686, 10.5467

Protanomaly

25.6894, 20.7826, 14.7141

Deuteranomaly

27.7757, 21.5128, 9.7096

Tritanomaly

39.4599, 23.0916, 8.8559

Monochromacy



Original Color

40.0127, 23.1686, 10.5467

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

22.3732, 17.8568, 15.9032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0127, 23.1686, 10.5467 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(242, 64, 83)` looks like.

```
.text, #text, p{  
    color:rgb(242, 64, 83)  
}
```

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(242, 64, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 64, 83) }
```

Border

The CSS property to change the border of an element to XYZ 40.0127, 23.1686, 10.5467 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(242, 64, 83) }
```


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

```
.border{ border-color:rgb(242, 64, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 64, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 64, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 64, 83);  
box-shadow:4px 4px 4px 4px rgb(242, 64,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0127, 23.1686, 10.5467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 64, 83) }
```

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

```
.background{ background-color: rgb(242, 64,  
83) }
```

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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