

Converting Colors

XYZ(39.7885, 23.6687, 2.4724)

Have a look what the booklet for
XYZ(39.7885, 23.6687, 2.4724)
contains.

XYZ(39.7843, 23.6687, 2.4717)	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(39.7843, 23.6687,
2.4717)**

Conversions

Conversions Part 1

Format	Color
Hex	F54500
RGB	245, 69, 0
RGB Percent	96%, 27%, 0%
CMY	0.0392, 0.7294, 1.0000
CMYK	0.00, 0.72, 1.00, 0.04
HSL	17°, 100%, 48%
HSV	17°, 100%, 96%
XYZ	39.7843, 23.6687, 2.4717
YIQ	113.7580, 127.0450, 15.8530

Conversions

Conversions Part 2

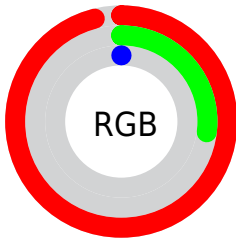
Format	Color
R_{YB}	245, 96, 0
Decimal	16073984
CIE _{Lab}	55.75, 64.73, 67.09
CIE _{LCh}	56, 93.224, 46.022
Yxy	23.6687, 0.6035, 0.3590
Android (android.graphics.Color)	4294264064 (0xFFFF54500)
YUV	113.7580, -56.0827, 115.0992
Hunter-Lab	48.6505, 60.8314, 31.0431

Details

The XYZ color **39.7843, 23.6687, 2.4717** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **32.0050, 37.6399, 91.9638**, and the grayscale version is **16.0594, 16.8957, 18.3994**.

A 20% lighter version of the original color is **49.8564, 37.0572, 9.2277**, and **18.5904, 9.5837, 0.8700** is the 20% darker color. If you saturate the color by 10%, you get **39.7845, 23.6697, 2.4718**, and if you desaturate by 10%, it is **41.2029, 26.2341, 3.7840**.

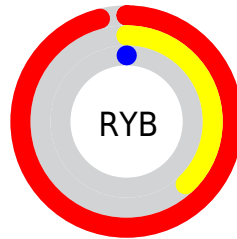
Distribution



Red (96%)

Green (27%)

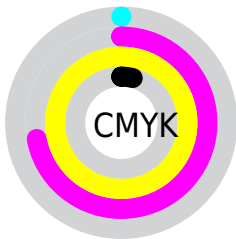
Blue (0%)



Red (96%)

Yellow (38%)

Blue (0%)

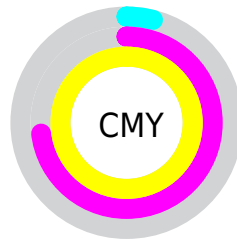


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7843, 23.6687, 2.4717 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 39.7843, 23.6687, 2.4717 by changing the saturation by 10% instead.

 39.7843, 23.6687,
2.4717


 39.7843, 23.6687,
2.4717

336.3636,
271.1412, 129.3180


 27.5539, 15.0880,
0.8251


 74.1214, 49.4890,
10.2944

 18.1284, 8.8812,
0.0000


 96.9587, 67.4975,
17.3141


 11.1424, 4.6638,
0.0000


 124.0624, 89.4173,
26.9641

 6.2307, 2.0514,
0.0000

 155.7978,
115.6330, 39.6630

 3.0279, 0.6371,
0.0000

 192.5303,
146.5288, 55.8293


 1.1685, 0.0000,
0.0000

 234.6252,


 0.0813, 0.0000,


182.4892, 75.8816


0.0000


 282.4478,
223.8985, 100.2383


 0.0000, 0.0000,
0.0000


 39.7843, 23.6687,
2.4717


 39.7843, 23.6687,
2.4717


 39.7845, 23.6697,
2.4718

 41.2029, 26.2341,
3.7840

 43.1819, 29.5772,
6.3393

 45.8115, 33.7725,
10.4957

 49.1526, 38.8781,
16.4701

 53.2584, 44.9466,
24.4453

■ 58.1762, 52.0261,
34.5815

■ 63.9496, 60.1616,
47.0225

■ 70.6186, 69.3949,
61.8998

■ 78.2207, 79.7657,
79.3345

Harmonies

Analogous

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



48.2600, 23.6687, 12.8035



39.7843, 23.6687, 2.4717



27.7763, 23.6687, 0.3960

Triad

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



39.7843, 23.6687, 2.4717



7.9672, 23.6687, 14.1051



28.5912, 23.6687, 132.1145

Complementary

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



39.7843, 23.6687, 2.4717



32.0050, 37.6399, 91.9638

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.



17.9319, 23.6687, 133.7209



39.7843, 23.6687, 2.4717



8.0616, 23.6687, 45.4279

Square

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



39.7843, 23.6687, 2.4717



10.8034, 23.6687, 2.7927



11.1212, 23.6687, 94.5379



40.5398, 23.6687, 91.0839

Rectangle

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



39.7843, 23.6687, 2.4717



20.4289, 23.6687, 0.2390



11.1212, 23.6687, 94.5379



24.6989, 23.6687, 137.9717

Sweetspot

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



39.7848, 23.6701, 2.4721



69.9915, 65.8252, 51.3997



45.8603, 22.6942, 44.9659



14.3847, 13.2534, 9.7031



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.



39.7848, 23.6701, 2.4721



43.5461, 25.8723, 2.6987



55.6036, 55.3078, 7.7450



16.8791, 17.2424, 17.2361



21.5336, 12.9527, 1.3652



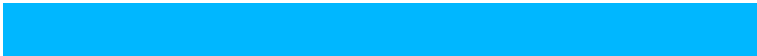
1.9760, 1.3053, 0.1478

Inverse Universe

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



32.0050, 37.6399, 91.9638



35.0194, 41.1588, 100.7065



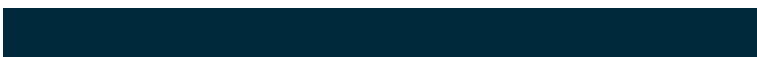
17.9529, 9.5357, 87.2798



16.5792, 17.9227, 21.1282



17.3649, 20.5236, 49.5843



1.6130, 1.9773, 4.3869

Previews

White Background



This preview shows how the XYZ color 39.7843, 23.6687, 2.4717 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 39.7843, 23.6687, 2.4717 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 39.7843, 23.6687, 2.4717

Background



This preview shows how black text looks on a background with the XYZ color 39.7843, 23.6687, 2.4717.



This preview shows how white text looks on a background with the XYZ color 39.7843, 23.6687,

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

39.7843, 23.6687, 2.4717

Protanopia

21.4854, 23.7086, 4.4807

Deuteranopia

23.9516, 23.6138, 3.2955



Tritanopia

40.8526, 23.6649, 7.7248

Trichromacy



Original Color

39.7843, 23.6687, 2.4717

Protanomaly

25.6847, 21.5066, 3.3278

Deuteranomaly

28.1800, 22.1784, 2.7956

Tritanomaly

40.3903, 23.6637, 4.7242

Monochromacy



Original Color

39.7843, 23.6687, 2.4717

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

20.4706, 16.8978, 8.4860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7843, 23.6687, 2.4717 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(245, 69, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 69, 0)  
}
```

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(245, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 69, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.7843, 23.6687, 2.4717 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(245, 69, 0) }
```


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

```
.border{ border-color:rgb(245, 69, 0) }
```

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

Here you see how a box with a 4 pixel rgb(245, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 69, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 69, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 69, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.7843, 23.6687, 2.4717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 69, 0) }
```

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

```
.background{ background-color: rgb(245, 69,  
0) }
```

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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