

Converting Colors

XYZ(39.7796, 20.3571, 8.6385)

Have a look what the booklet for
XYZ(39.7796, 20.3571, 8.6385)
contains.

XYZ(39.6623, 20.2960, 8.6646)	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(39.6623, 20.2960,
8.6646)**

Conversions

Conversions Part 1

Format	Color
Hex	F7004C
RGB	247, 0, 76
RGB Percent	97%, 0%, 30%
CMY	0.0314, 0.9997, 0.7020
CMYK	0.00, 1.00, 0.69, 0.03
HSL	342°, 100%, 48%
HSV	342°, 100%, 97%
XYZ	39.6623, 20.2960, 8.6646
YIQ	82.5170, 122.8160, 76.0000

Conversions

Conversions Part 2

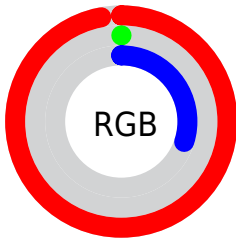
Format	Color
RYB	247, 0, 76
Decimal	16187468
CIELab	52.17, 79.80, 31.51
CIELCh	52, 85.795, 21.547
Yxy	20.2960, 0.5780, 0.2958
Android (android.graphics.Color)	4294377548 (0xFFFF7004C)
YUV	82.5170, -3.2129, 144.2516
Hunter-Lab	45.0511, 78.3093, 20.1326

Details

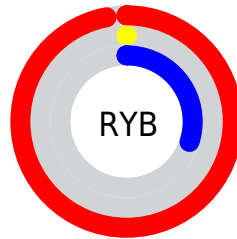
The XYZ color **39.6623, 20.2960, 8.6646** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **40.6183, 69.4643, 49.8278**, and the grayscale version is **8.1203, 8.5432, 9.3036**.

A 20% lighter version of the original color is **49.1245, 31.1064, 22.8170**, and **19.5659, 10.0549, 2.3484** is the 20% darker color. If you saturate the color by 10%, you get **39.6604, 20.2952, 8.6562**, and if you desaturate by 10%, it is **40.6806, 21.2515, 12.3382**.

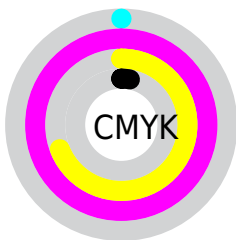
Distribution



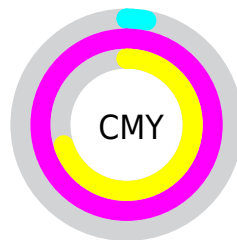
- Red (97%)
- Green (0%)
- Blue (30%)



- Red (97%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6623, 20.2960, 8.6646 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 39.6623, 20.2960, 8.6646 by changing the saturation by 10% instead.


 39.6623, 20.2960,
8.6646

 39.6623, 20.2960,
8.6646

335.8570,
253.5131, 190.9808


 27.4584, 12.6104,
4.4293


 73.9366, 43.9129,
23.8187

 18.0561, 7.1608,
1.8637


 96.7377, 60.6130,
35.5746


 11.0902, 3.5629,
0.4695


 123.8019, 81.0867,
50.6743

 6.1953, 1.4322,
0.0000

 155.4946,
105.7183, 69.5365

 3.0060, 0.2403,
0.0000

 192.1811,
134.8924, 92.5797

 1.1569, 0.0000,
0.0000

 234.2268,

 0.0719, 0.0000,

168.9933, 120.2225

0.0000

281.9970,
208.4054, 152.8833

■ 0.0000, 0.0000,
0.0000

■ 39.6623, 20.2960,
8.6646

■ 39.6623, 20.2960,
8.6646

■ 39.6604, 20.2952,
8.6562

■ 40.6806, 21.2515,
12.3382

■ 42.3013, 23.1402,
17.0487

■ 44.6687, 26.2343,
22.8955

■ 47.8728, 30.6988,
29.9558

■ 51.9901, 36.6725,
38.2988

■ 57.0882, 44.2770,
47.9879

■ 63.2278, 53.6214,
59.0822

■ 70.4648, 64.8054,
71.6367

■ 78.8507, 77.9209,
85.7037

Harmonies

Analogous

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



41.2968, 20.2960, 30.0033



39.6623, 20.2960, 8.6646



31.8225, 20.2960, 1.7370

Triad

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



39.6623, 20.2960, 8.6646



8.8530, 20.2960, 3.5983



16.9119, 20.2960, 112.8471

Complementary

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



39.6623, 20.2960, 8.6646



40.6183, 69.4643, 49.8278

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.



10.5751, 20.2960, 85.7891



39.6623, 20.2960, 8.6646



6.9391, 20.2960, 15.7211

Square

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



39.6623, 20.2960, 8.6646



13.7265, 20.2960, 0.7095



7.4559, 20.2960, 45.0628



26.1859, 20.2960, 104.5875

Rectangle

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



39.6623, 20.2960, 8.6646



25.1489, 20.2960, 0.5988



7.4559, 20.2960, 45.0628



14.4213, 20.2960, 107.1270

Sweetspot

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



39.6628, 20.2973, 8.6649



67.9236, 57.5656, 63.4236



33.1092, 15.1301, 89.1705



13.9125, 11.3642, 12.4578



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.



39.6628, 20.2973, 8.6649



42.6301, 21.8160, 9.2500



39.3092, 21.6768, 2.1141



16.7089, 16.5664, 18.2139



21.0308, 10.7557, 4.8704



1.8924, 0.9629, 0.6599

Inverse Universe

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



39.6628, 20.2973, 8.6649



42.6301, 21.8160, 9.2500



37.8460, 48.8294, 95.4254



16.7089, 16.5664, 18.2139



21.0308, 10.7557, 4.8704



1.8924, 0.9629, 0.6599

Previews

White Background



This preview shows how the XYZ color 39.6623, 20.2960, 8.6646 looks on a white background.

Color Contrast Check

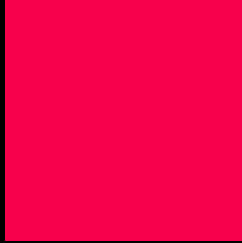
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.6623, 20.2960, 8.6646 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 39.6623, 20.2960, 8.6646

Background



This preview shows how black text looks on a background with the XYZ color 39.6623, 20.2960, 8.6646.



This preview shows how white text looks on a background with the XYZ color 39.6623, 20.2960,

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

39.6623, 20.2960, 8.6646

Protanopia

19.8016, 20.9393, 18.6208

Deuteranopia

21.1595, 20.7717, 7.7446



Tritanopia

38.6715, 20.6430, 2.8660

Trichromacy



Original Color

39.6623, 20.2960, 8.6646



Protanomaly

22.4025, 15.5417, 13.8757



Deuteranomaly

24.3669, 16.2776, 7.3265



Tritanomaly

38.7108, 20.2750, 4.2560

Monochromacy



Original Color

39.6623, 20.2960, 8.6646



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

14.0488, 8.9650, 8.5794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6623, 20.2960, 8.6646 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(247, 0, 76)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 76)  
}
```

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(247, 0, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 76) }
```

Border

The CSS property to change the border of an element to XYZ 39.6623, 20.2960, 8.6646 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(247, 0, 76) }
```


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

```
.border{ border-color:rgb(247, 0, 76) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 76)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.6623, 20.2960, 8.6646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 76) }
```

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

```
.background{ background-color: rgb(247, 0,  
76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor