

Converting Colors

XYZ(40.8587, 20.9810, 5.6376)

Have a look what the booklet for
XYZ(40.8587, 20.9810, 5.6376)
contains.

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Color

**XYZ(40.8587, 20.9810,
5.6376)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0038
RGB	252, 0, 56
RGB Percent	99%, 0%, 22%
CMY	0.0118, 0.9997, 0.7804
CMYK	0.00, 1.00, 0.78, 0.01
HSL	347°, 100%, 49%
HSV	347°, 100%, 99%
XYZ	40.8587, 20.9810, 5.6376
YIQ	81.7320, 132.2160, 70.8400

Conversions

Conversions Part 2

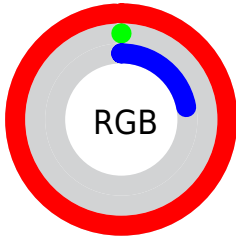
Format	Color
R_{YB}	252, 0, 56
Decimal	16515128
CIE _{Lab}	52.93, 80.25, 44.30
CIE _{LCh}	53, 91.665, 28.899
Yxy	20.9810, 0.6055, 0.3109
Android (android.graphics.Color)	4294705208 (0xFFFC0038)
YUV	81.7320, -12.6859, 149.3250
Hunter-Lab	45.8050, 79.0656, 24.7662

Details

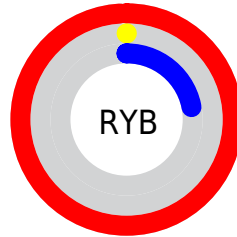
The XYZ color **40.8587, 20.9810, 5.6376** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **44.7827, 73.6094, 64.1135**, and the grayscale version is **7.9801, 8.3957, 9.1430**.

A 20% lighter version of the original color is **47.9629, 30.7887, 16.2468**, and **20.3290, 10.4708, 1.3651** is the 20% darker color. If you saturate the color by 10%, you get **40.8571, 20.9803, 5.6306**, and if you desaturate by 10%, it is **41.7888, 21.9185, 8.7940**.

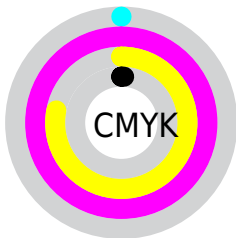
Distribution



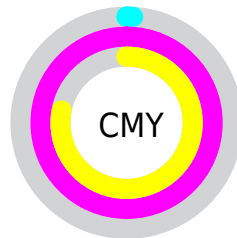
- Red (99%)
- Green (0%)
- Blue (22%)



- Red (99%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8587, 20.9810, 5.6376 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 40.8587, 20.9810, 5.6376 by changing the saturation by 10% instead.

 40.8587, 20.9810,
5.6376

 40.8587, 20.9810,
5.6376


340.8024,
257.1775, 164.9839


 28.3959, 13.1101,
2.5608


 75.7454, 45.0559,
17.6384

 18.7663, 7.5044,
0.8721


 98.9000, 62.0287,
27.3995


 11.6045, 3.7795,
0.0000


 126.3492, 82.8043,
40.2258

 6.5453, 1.5510,
0.0000

 158.4585,
107.7670, 56.5358

 3.2232, 0.3242,
0.0000

 195.5930,
137.3013, 76.7481

 1.2728, 0.0000,
0.0000

 238.1183,

 0.1628, 0.0000,

171.7916, 101.2812

0.0000

286.3996,
211.6222, 130.5536

■ 0.0000, 0.0000,
0.0000

■ 40.8587, 20.9810,
5.6376

■ 40.8587, 20.9810,
5.6376

■ 40.8571, 20.9803,
5.6306

■ 41.7888, 21.9185,
8.7940

■ 43.3805, 23.8469,
13.1933

■ 45.7903, 27.0524,
18.9725

■ 49.1182, 31.7104,
26.2406

■ 53.4493, 37.9688,
35.0952

■ 58.8588, 45.9570,
45.6251

■ 65.4143, 55.7913,
57.9122

■ 73.1779, 67.5775,
72.0332

■ 82.2072, 81.4137,
88.0599

Harmonies

Analogous

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



44.6741, 20.9810, 23.8752



40.8587, 20.9810, 5.6376



31.0762, 20.9810, 0.8926

Triad

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



40.8587, 20.9810, 5.6376



7.9447, 20.9810, 4.9736



19.5894, 20.9810, 126.9319

Complementary

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



40.8587, 20.9810, 5.6376



44.7827, 73.6094, 64.1135

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.



11.8463, 20.9810, 104.5835



40.8587, 20.9810, 5.6376



6.5947, 20.9810, 21.8443

Square

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



40.8587, 20.9810, 5.6376



12.2856, 20.9810, 0.7695



7.7543, 20.9810, 59.0972



30.2581, 20.9810, 107.4081

Rectangle

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



40.8587, 20.9810, 5.6376



23.7108, 20.9810, 0.0913



7.7543, 20.9810, 59.0972



16.5950, 20.9810, 123.8846

Sweetspot

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



40.8592, 20.9823, 5.6379



67.1652, 57.2622, 59.4296



39.6187, 18.3956, 93.5573



13.7369, 11.2940, 11.5331



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.



40.8592, 20.9823, 5.6379



41.9689, 21.5515, 5.7682



42.1671, 24.7397, 2.5548



17.4024, 17.2883, 18.7086



21.3279, 10.9469, 3.1693



2.0133, 1.0291, 0.4934

Inverse Universe

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



40.8592, 20.9823, 5.6379



41.9689, 21.5515, 5.7682



34.8824, 41.6505, 98.2956



17.4024, 17.2883, 18.7086



21.3279, 10.9469, 3.1693



2.0133, 1.0291, 0.4934

Previews

White Background



This preview shows how the XYZ color 40.8587, 20.9810, 5.6376 looks on a white background.

Color Contrast Check

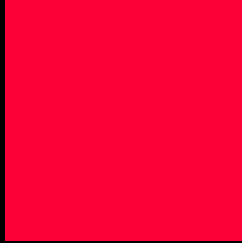
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.8587, 20.9810, 5.6376 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 40.8587, 20.9810, 5.6376

Background



This preview shows how black text looks on a background with the XYZ color 40.8587, 20.9810, 5.6376.



This preview shows how white text looks on a background with the XYZ color 40.8587, 20.9810,

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

40.8587, 20.9810, 5.6376

Protanopia

20.0063, 21.5832, 11.7059

Deuteranopia

21.7176, 21.3015, 4.9744



Tritanopia

40.1448, 21.1439, 2.2525

Trichromacy



Original Color

40.8587, 20.9810, 5.6376

Protanomaly

23.0009, 16.0826, 8.3705

Deuteranomaly

25.1393, 16.8425, 4.5107

Tritanomaly

40.1523, 20.9300, 2.9605

Monochromacy



Original Color

40.8587, 20.9810, 5.6376

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

13.9322, 8.8663, 7.2804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8587, 20.9810, 5.6376 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(252, 0, 56)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 56)  
}
```

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(252, 0, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 56) }
```

Border

The CSS property to change the border of an element to XYZ 40.8587, 20.9810, 5.6376 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(252, 0, 56) }
```


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

```
.border{ border-color:rgb(252, 0, 56) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 56);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 56)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.8587, 20.9810, 5.6376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 56) }
```

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

```
.background{ background-color: rgb(252, 0,  
56) }
```

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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