

Converting Colors

XYZ(41.2898, 21.2077, 8.1248)

Have a look what the booklet for
XYZ(41.2898, 21.2077, 8.1248)
contains.

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Color

**XYZ(41.3580, 21.2502,
8.0528)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0448
RGB	252, 4, 72
RGB Percent	99%, 2%, 28%
CMY	0.0118, 0.9840, 0.7176
CMYK	0.00, 0.98, 0.71, 0.01
HSL	344°, 98%, 50%
HSV	344°, 98%, 99%
XYZ	41.3580, 21.2502, 8.0528
YIQ	85.9040, 125.9800, 73.7240

Conversions

Conversions Part 2

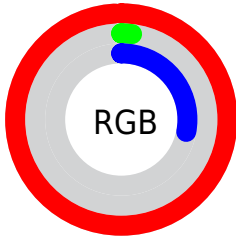
Format	Color
RYB	252, 4, 72
Decimal	16516168
CIELab	53.22, 80.52, 35.40
CIElCh	53, 87.953, 23.732
Yxy	21.2502, 0.5853, 0.3007
Android (android.graphics.Color)	4294706248 (0xFFFC0448)
YUV	85.9040, -6.8547, 145.6662
Hunter-Lab	46.0979, 79.4747, 21.9113

Details

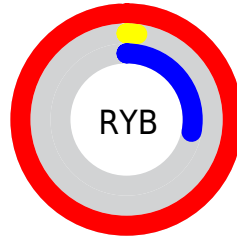
The XYZ color **41.3580, 21.2502, 8.0528** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **43.5201, 73.1101, 57.2034**, and the grayscale version is **8.8286, 9.2884, 10.1150**.

A 20% lighter version of the original color is **48.9978, 31.3514, 21.2383**, and **20.4715, 10.5278, 2.1155** is the 20% darker color. If you saturate the color by 10%, you get **41.2202, 21.1255, 7.5427**, and if you desaturate by 10%, it is **42.4487, 22.3306, 11.8120**.

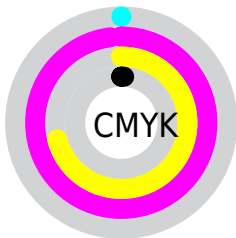
Distribution



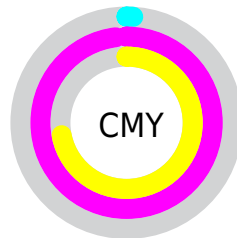
- Red (99%)
- Green (2%)
- Blue (28%)



- Red (99%)
- Yellow (2%)
- Blue (28%)



- Cyan (0%)
- Magenta (98%)
- Yellow (71%)
- Black (1%)





- Cyan (1%)
- Magenta (98%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3580, 21.2502, 8.0528 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 41.3580, 21.2502, 8.0528 by changing the saturation by 10% instead.


 41.3580, 21.2502,
8.0528


 41.3580, 21.2502,
8.0528

342.8517,
258.6052, 186.0956


 28.7878, 13.3070,
4.0405


 76.4983, 45.5036,
22.6098

 19.0638, 7.6403,
1.6476


 99.7992, 62.5825,
33.9915

 11.8207, 3.8657,
0.3244


 127.4077, 83.4756,
48.6668

 6.6930, 1.5987,
0.0000

 159.6891,
108.5670, 67.0542

 3.3155, 0.3567,
0.0000

 197.0089,
138.2413, 89.5722

 1.3227, 0.0000,
0.0000

 239.7324,

 0.2001, 0.0000,

172.8828, 116.6395

0.0000

288.2249,
212.8760, 148.6744

■ 0.0000, 0.0000,
0.0000

■ 41.3580, 21.2502,
8.0528

■ 41.3580, 21.2502,
8.0528

■ 41.2202, 21.1255,
7.5427

■ 42.4487, 22.3306,
11.8120

■ 44.2241, 24.4730,
16.7458

■ 46.8125, 27.9138,
22.9606

■ 50.3078, 32.8220,
30.5455

■ 54.7903, 39.3407,
39.5808

■ 60.3309, 47.5960,
50.1401

■ 66.9942, 57.7012,
62.2918

■ 74.8390, 69.7601,
76.1000

■ 83.9203, 83.8687,
91.6250

Harmonies

Analogous

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



43.6629, 21.2502, 29.1841



41.3580, 21.2502, 8.0528



32.7135, 21.2502, 1.5465

Triad

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



41.3580, 21.2502, 8.0528



8.9482, 21.2502, 4.1522



18.3097, 21.2502, 120.3296

Complementary

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



41.3580, 21.2502, 8.0528



43.5201, 73.1101, 57.2034

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.



11.3669, 21.2502, 93.7402



41.3580, 21.2502, 8.0528



7.1372, 21.2502, 17.9903

Square

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



41.3580, 21.2502, 8.0528



13.8282, 21.2502, 0.7863



7.8621, 21.2502, 50.4350



28.2728, 21.2502, 108.6619

Rectangle

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



41.3580, 21.2502, 8.0528



25.6258, 21.2502, 0.5125



7.8621, 21.2502, 50.4350



15.5959, 21.2502, 115.1752

Sweetspot

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



41.3585, 21.2515, 8.0531



67.6224, 57.4451, 61.8373



36.8478, 17.0316, 93.4401



13.8426, 11.3363, 12.0897



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.



41.3585, 21.2515, 8.0531



42.3413, 21.7005, 7.7294



41.6693, 23.7090, 2.4970



17.4400, 17.3033, 18.9067



21.5251, 11.0257, 4.2074



2.0362, 1.0382, 0.6139

Inverse Universe

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



41.3585, 21.2515, 8.0531



42.3413, 21.7005, 7.7294



37.8799, 47.5714, 99.2805



17.4400, 17.3033, 18.9067



21.5251, 11.0257, 4.2074



2.0362, 1.0382, 0.6139

Previews

White Background



This preview shows how the XYZ color 41.3580, 21.2502, 8.0528 looks on a white background.

Color Contrast Check

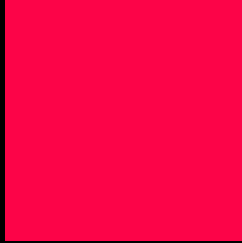
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.3580, 21.2502, 8.0528 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 41.3580, 21.2502, 8.0528

Background



This preview shows how black text looks on a background with the XYZ color 41.3580, 21.2502, 8.0528.



This preview shows how white text looks on a background with the XYZ color 41.3580, 21.2502,

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

41.3580, 21.2502, 8.0528

Protanopia

20.3647, 21.6508, 17.0156

Deuteranopia

22.0470, 21.6058, 7.1460



Tritanopia

40.4026, 21.4996, 2.8310

Trichromacy



Original Color

41.3580, 21.2502, 8.0528



Protanomaly

23.4737, 16.4596, 12.5295



Deuteranomaly

25.7137, 17.2996, 6.8344



Tritanomaly

40.4521, 21.2057, 4.0589

Monochromacy



Original Color

41.3580, 21.2502, 8.0528



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.7534, 9.5334, 8.8471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3580, 21.2502, 8.0528 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, 4, 72)` looks like.

```
.text, #text, p{  
    color:rgb(252, 4, 72)  
}
```

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, 4, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 4, 72) }
```

Border

The CSS property to change the border of an element to XYZ 41.3580, 21.2502, 8.0528 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, 4, 72) }
```


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

```
.border{ border-color:rgb(252, 4, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 4, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 4, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 4, 72);  
box-shadow:4px 4px 4px 4px rgb(252, 4, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.3580, 21.2502, 8.0528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 4, 72) }
```

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

```
.background{ background-color: rgb(252, 4,  
72) }
```

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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