

Converting Colors

XYZ(40.6970, 21.0462, 4.3344)

Have a look what the booklet for
XYZ(40.6970, 21.0462, 4.3344)
contains.

XYZ(40.6755, 21.0293, 4.2981)	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(40.6755, 21.0293,
4.2981)**

Conversions

Conversions Part 1

Format	Color
Hex	FC072C
RGB	252, 7, 44
RGB Percent	99%, 3%, 17%
CMY	0.0118, 0.9723, 0.8274
CMYK	0.00, 0.97, 0.83, 0.01
HSL	351°, 98%, 51%
HSV	351°, 97%, 99%
XYZ	40.6755, 21.0293, 4.2981
YIQ	84.4730, 134.1430, 63.4470

Conversions

Conversions Part 2

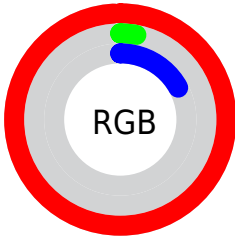
Format	Color
RYB	252, 7, 44
Decimal	16516908
CIELab	52.98, 79.46, 50.84
CIElCh	53, 94.328, 32.610
Yxy	21.0293, 0.6163, 0.3186
Android (android.graphics.Color)	4294706988 (0xFFFC072C)
YUV	84.4730, -19.9532, 146.9212
Hunter-Lab	45.8577, 78.0774, 26.5433

Details

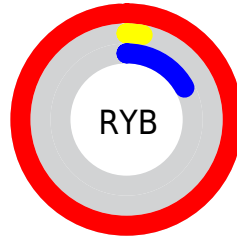
The XYZ color **40.6755, 21.0293, 4.2981** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **47.1734, 74.5758, 76.2455**, and the grayscale version is **8.5535, 8.9990, 9.7999**.

A 20% lighter version of the original color is **47.4960, 30.7507, 13.3297**, and **20.0076, 10.3143, 0.9363** is the 20% darker color. If you saturate the color by 10%, you get **40.4943, 20.8352, 3.7206**, and if you desaturate by 10%, it is **41.6342, 22.1293, 7.1391**.

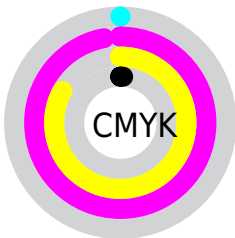
Distribution



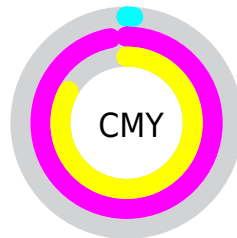
- Red (99%)
- Green (3%)
- Blue (17%)



- Red (99%)
- Yellow (3%)
- Blue (17%)



- Cyan (0%)
- Magenta (97%)
- Yellow (83%)
- Black (1%)





- Cyan (1%)
- Magenta (97%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6755, 21.0293, 4.2981 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 40.6755, 21.0293, 4.2981 by changing the saturation by 10% instead.

 40.6755, 21.0293,
4.2981


 40.6755, 21.0293,
4.2981


340.0483,
257.4342, 151.4833


 28.2522, 13.1454,
1.7903


 75.4689, 45.1363,
14.6916

 18.6573, 7.5288,
0.4215


 98.5696, 62.1282,
23.4144

 11.5254, 3.7949,
0.0000

 125.9602, 82.9249,
35.0459

 6.4913, 1.5595,
0.0000

 158.0060,
107.9108, 50.0047

 3.1895, 0.3301,
0.0000

 195.0724,
137.4703, 68.7093

 1.2548, 0.0000,
0.0000

 237.5246,

 0.1490, 0.0000,

171.9877, 91.5782

0.0000

285.7282,
211.8476, 119.0300

■ 0.0000, 0.0000,
0.0000

■ 40.6755, 21.0293,
4.2981

■ 40.6755, 21.0293,
4.2981

■ 40.4943, 20.8352,
3.7206

■ 41.6342, 22.1293,
7.1391

■ 43.3433, 24.3532,
11.3905

■ 45.9303, 27.9186,
17.2117

■ 49.4961, 32.9943,
24.7391

■ 54.1279, 39.7243,
34.0939

■ 59.9029, 48.2356,
45.3861

■ 66.8909, 58.6431,
58.7169

■ 75.1563, 71.0516,
74.1804

■ 84.7589, 85.5586,
91.8650

Harmonies

Analogous

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



45.6497, 21.0293, 20.5046



40.6755, 21.0293, 4.2981



30.0784, 21.0293, 0.5309

Triad

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



40.6755, 21.0293, 4.2981



7.4082, 21.0293, 5.8666



20.8667, 21.0293, 131.8288

Complementary

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



40.6755, 21.0293, 4.2981



47.1734, 74.5758, 76.2455

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.



12.4515, 21.0293, 113.3314



40.6755, 21.0293, 4.2981



6.3707, 21.0293, 25.4693

Square

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



40.6755, 21.0293, 4.2981



11.3887, 21.0293, 0.8313



7.8643, 21.0293, 66.5958



32.0924, 21.0293, 106.2767

Rectangle

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



40.6755, 21.0293, 4.2981



22.5356, 21.0293, 0.0000



7.8643, 21.0293, 66.5958



17.6395, 21.0293, 130.5609

Sweetspot

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



40.6760, 21.0306, 4.2984



67.3106, 58.1427, 57.6603



44.5623, 21.0569, 93.8104



13.7394, 11.4494, 11.0704



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.



40.6760, 21.0306, 4.2984



41.5971, 21.4028, 3.8106



43.7319, 27.8080, 3.2656



17.3512, 17.2679, 18.4394



21.1270, 10.8665, 2.1111



1.9874, 1.0187, 0.3569

Inverse Universe

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



40.6760, 21.0306, 4.2984



41.5971, 21.4028, 3.8106



32.1007, 35.9572, 97.3433



17.3512, 17.2679, 18.4394



21.1270, 10.8665, 2.1111



1.9874, 1.0187, 0.3569

Previews

White Background



This preview shows how the XYZ color 40.6755, 21.0293, 4.2981 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



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 40.6755, 21.0293, 4.2981

Background



This preview shows how black text looks on a background with the XYZ color 40.6755, 21.0293, 4.2981.



This preview shows how white text looks on a background with the XYZ color 40.6755, 21.0293,

4.2981.

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

40.6755, 21.0293, 4.2981

Protanopia

19.6399, 21.4560, 8.9006

Deuteranopia

21.6616, 21.3023, 3.6319



Tritanopia

40.0706, 21.0830, 1.9575

Trichromacy



Original Color

40.6755, 21.0293, 4.2981

Protanomaly

23.0687, 16.5013, 6.3841

Deuteranomaly

25.3386, 17.2954, 3.1652

Tritanomaly

40.0776, 20.9475, 2.4212

Monochromacy



Original Color

40.6755, 21.0293, 4.2981

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

14.4227, 9.4794, 6.8639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6755, 21.0293, 4.2981 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, 7, 44)` looks like.

```
.text, #text, p{  
    color:rgb(252, 7, 44)  
}
```

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, 7, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 7, 44) }
```

Border

The CSS property to change the border of an element to XYZ 40.6755, 21.0293, 4.2981 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, 7, 44) }
```


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

```
.border{ border-color:rgb(252, 7, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 7, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 7, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 7, 44);  
box-shadow:4px 4px 4px 4px rgb(252, 7, 44)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.6755, 21.0293, 4.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 7, 44) }
```

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

```
.background{ background-color: rgb(252, 7,  
44) }
```

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