

Converting Colors

XYZ(40.5771, 21.1302, 2.6845)

Have a look what the booklet for
XYZ(40.5771, 21.1302, 2.6845)
contains.

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Color

**XYZ(40.4467, 21.0675,
2.6937)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0E16
RGB	252, 14, 22
RGB Percent	99%, 5%, 9%
CMY	0.0118, 0.9449, 0.9137
CMYK	0.00, 0.94, 0.91, 0.01
HSL	358°, 98%, 52%
HSV	358°, 94%, 99%
XYZ	40.4467, 21.0675, 2.6937
YIQ	86.0740, 139.2800, 52.9440

Conversions

Conversions Part 2

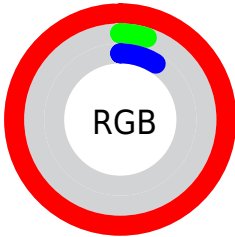
Format	Color
R_{YB}	252, 14, 22
Decimal	16518678
CIE Lab	53.02, 78.57, 60.73
CIE LCh	53, 99.304, 37.702
Yxy	21.0675, 0.6299, 0.3281
Android (android.graphics.Color)	4294708758 (0xFFFC0E16)
YUV	86.0740, -31.5885, 145.5171
Hunter-Lab	45.8993, 76.9711, 28.6500

Details

The XYZ color **40.4467, 21.0675, 2.6937** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **51.3300, 76.2491, 97.6464**, and the grayscale version is **8.9123, 9.3764, 10.2109**.

A 20% lighter version of the original color is **46.8715, 30.6516, 9.5768**, and **20.0076, 10.3143, 0.9363** is the 20% darker color. If you saturate the color by 10%, you get **40.1905, 20.7137, 2.1214**, and if you desaturate by 10%, it is **41.3788, 22.3635, 4.7578**.

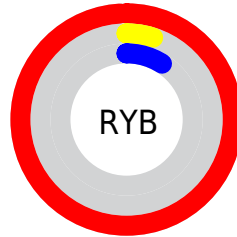
Distribution



Red (99%)

Green (5%)

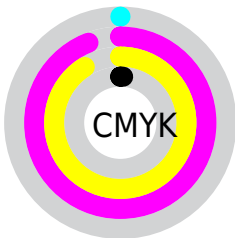
Blue (9%)



Red (99%)

Yellow (5%)

Blue (9%)

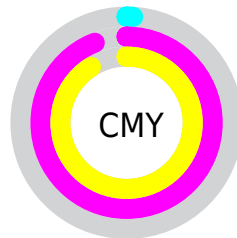


Cyan (0%)

Magenta (94%)

Yellow (91%)

Black (1%)



Cyan (1%)


Magenta (94%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4467, 21.0675, 2.6937 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 40.4467, 21.0675, 2.6937 by changing the saturation by 10% instead.


 40.4467, 21.0675,
2.6937


 40.4467, 21.0675,
2.6937


339.1050,
257.6370, 132.3584


 28.0728, 13.1734,
0.9403


 75.1233, 45.1998,
10.8628

 18.5213, 7.5480,
0.0000


 98.1566, 62.2068,
18.1157


 11.4268, 3.8071,
0.0000


 125.4738, 83.0202,
28.0389

 6.4241, 1.5663,
0.0000

 157.4402,
108.0244, 41.0510

 3.1477, 0.3347,
0.0000

 194.4212,
137.6038, 57.5704

 1.2324, 0.0000,
0.0000

 236.7821,

 0.1317, 0.0000,


172.1427, 78.0158


0.0000


 284.8882,
212.0257, 102.8056


 0.0000, 0.0000,
0.0000


 40.4467, 21.0675,
2.6937


 40.4467, 21.0675,
2.6937


 40.1905, 20.7137,
2.1214

 41.3788, 22.3635,
4.7578

 43.1322, 24.8654,
8.4401

 45.8411, 28.7779,
13.9835

 49.6152, 34.2671,
21.5896

 54.5496, 41.4761,
31.4341

60.7286, 50.5320,
43.6739

68.2289, 61.5499,
58.4519

77.1207, 74.6355,
75.8996

87.4697, 89.8869,
96.1396

Harmonies

Analogous

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



47.1909, 21.0675, 16.0718



40.4467, 21.0675, 2.6937



28.6361, 21.0675, 0.0000

Triad

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



40.4467, 21.0675, 2.6937



6.6119, 21.0675, 7.3210



22.8331, 21.0675, 139.8722

Complementary

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



40.4467, 21.0675, 2.6937



51.3300, 76.2491, 97.6464

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.



13.3390, 21.0675, 127.6435



40.4467, 21.0675, 2.6937



6.0018, 21.0675, 31.5272

Square

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



40.4467, 21.0675, 2.6937



10.0946, 21.0675, 0.8984



7.9805, 21.0675, 79.0255



34.9593, 21.0675, 104.9710

Rectangle

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



40.4467, 21.0675, 2.6937



20.8389, 21.0675, 0.0000



7.9805, 21.0675, 79.0255



19.2306, 21.0675, 141.4528

Sweetspot

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



40.4471, 21.0689, 2.6940



67.1586, 58.9195, 54.2778



53.6981, 25.8870, 94.2610



13.6725, 11.5799, 10.2337



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.



40.4471, 21.0689, 2.6940



41.2866, 21.2786, 2.1755



47.0776, 34.4341, 4.5828



17.2681, 17.2346, 18.0015



20.9464, 10.7943, 1.1603



1.9480, 1.0029, 0.1496

Inverse Universe

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



40.4471, 21.0689, 2.6940



41.2866, 21.2786, 2.1755



27.8667, 27.3503, 95.9049



17.2681, 17.2346, 18.0015



20.9464, 10.7943, 1.1603



1.9480, 1.0029, 0.1496

Previews

White Background



This preview shows how the XYZ color 40.4467, 21.0675, 2.6937 looks on a white background.

Color Contrast Check

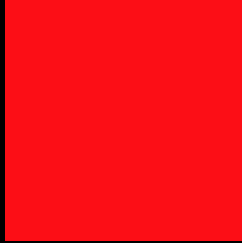
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.4467, 21.0675, 2.6937 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 40.4467, 21.0675, 2.6937

Background



This preview shows how black text looks on a background with the XYZ color 40.4467, 21.0675, 2.6937.



This preview shows how white text looks on a background with the XYZ color 40.4467, 21.0675,

2.6937.

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

40.4467, 21.0675, 2.6937

Protanopia

19.5015, 21.4598, 5.4972

Deuteranopia

21.5353, 21.2518, 2.9670



Tritanopia

40.0901, 21.1220, 1.9640

Trichromacy



Original Color

40.4467, 21.0675, 2.6937

Protanomaly

23.2551, 17.0110, 3.7268

Deuteranomaly

25.3093, 17.5215, 2.2778

Tritanomaly

40.0776, 21.0271, 2.1760

Monochromacy



Original Color

40.4467, 21.0675, 2.6937

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

14.3671, 9.7016, 5.8180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4467, 21.0675, 2.6937 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, 14, 22)` looks like.

```
.text, #text, p{  
    color:rgb(252, 14, 22)  
}
```

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, 14, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 14, 22) }
```

Border

The CSS property to change the border of an element to XYZ 40.4467, 21.0675, 2.6937 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, 14, 22) }
```


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

```
.border{ border-color:rgb(252, 14, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 14, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 14, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 14, 22);  
box-shadow:4px 4px 4px 4px rgb(252, 14,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4467, 21.0675, 2.6937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 14, 22) }
```

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

```
.background{ background-color: rgb(252, 14,  
22) }
```

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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