

Converting Colors

XYZ(40.4688, 21.1980, 4.1914)

Have a look what the booklet for
XYZ(40.4688, 21.1980, 4.1914)
contains.

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Color

**XYZ(40.4697, 21.2127,
4.1520)**

Conversions

Conversions Part 1

Format	Color
Hex	FB152A
RGB	251, 21, 42
RGB Percent	98%, 8%, 16%
CMY	0.0157, 0.9175, 0.8353
CMYK	0.00, 0.92, 0.83, 0.02
HSL	355°, 97%, 53%
HSV	355°, 92%, 98%
XYZ	40.4697, 21.2127, 4.1520
YIQ	92.1640, 130.3390, 55.2910

Conversions

Conversions Part 2

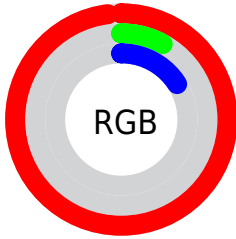
Format	Color
RYB	251, 21, 42
Decimal	16454954
CIELab	53.18, 77.96, 51.96
CIELCh	53, 93.689, 33.684
Yxy	21.2127, 0.6147, 0.3222
Android (android.graphics.Color)	4294645034 (0xFFFB152A)
YUV	92.1640, -24.7309, 139.2992
Hunter-Lab	46.0572, 76.2447, 26.8952

Details

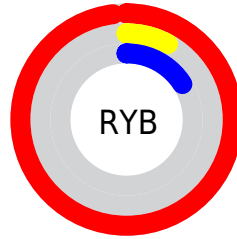
The XYZ color **40.4697, 21.2127, 4.1520** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **49.0954, 74.8690, 86.7550**, and the grayscale version is **10.2496, 10.7834, 11.7431**.

A 20% lighter version of the original color is **47.6969, 31.2886, 12.9766**, and **19.7672, 10.1903, 0.9251** is the 20% darker color. If you saturate the color by 10%, you get **39.9367, 20.5704, 2.6698**, and if you desaturate by 10%, it is **41.7145, 22.8535, 7.1853**.

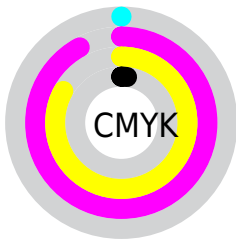
Distribution



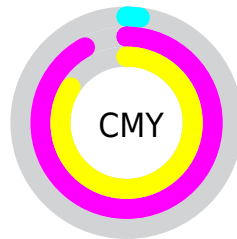
- Red (98%)
- Green (8%)
- Blue (16%)



- Red (98%)
- Yellow (8%)
- Blue (16%)



- Cyan (0%)
- Magenta (92%)
- Yellow (83%)
- Black (2%)





- Cyan (2%)
- Magenta (92%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4697, 21.2127, 4.1520 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 40.4697, 21.2127, 4.1520 by changing the saturation by 10% instead.


 40.4697, 21.2127,
4.1520


 40.4697, 21.2127,
4.1520

339.1999,
258.4067, 149.9002


 28.0908, 13.2796,
1.7091


 75.1580, 45.4413,
14.3588


 18.5349, 7.6213,
0.3670


 98.1982, 62.5055,
22.9598


 11.4367, 3.8536,
0.0000


 125.5227, 83.3822,
34.4506

 6.4308, 1.5920,
0.0000

 157.4971,
108.4557, 49.2497

 3.1519, 0.3522,
0.0000

 194.4867,
138.1106, 67.7757

 1.2346, 0.0000,
0.0000

 236.8568,

 0.1334, 0.0000,

172.7311, 90.4471

0.0000

284.9727,
212.7017, 117.6824

■ 0.0000, 0.0000,
0.0000

■ 40.4697, 21.2127,
4.1520

■ 40.4697, 21.2127,
4.1520

■ 39.9367, 20.5704,
2.6698

■ 41.7145, 22.8535,
7.1853

■ 43.7978, 25.7446,
11.8121

■ 46.8357, 30.0724,
18.2130

■ 50.9252, 35.9914,
26.5437

■ 56.1516, 43.6362,
36.9429

■ 62.5913, 53.1269,
49.5364

■ 70.3141, 64.5730,
64.4400

■ 79.3843, 78.0755,
81.7615

■ 89.8620, 93.7283,
101.6017

Harmonies

Analogous

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



45.6941, 21.2127, 19.7736



40.4697, 21.2127, 4.1520



29.8148, 21.2127, 0.5393

Triad

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



40.4697, 21.2127, 4.1520



7.4747, 21.2127, 6.3955



21.4079, 21.2127, 131.1060

Complementary

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



40.4697, 21.2127, 4.1520



49.0954, 74.8690, 86.7550

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.



12.8562, 21.2127, 114.2902



40.4697, 21.2127, 4.1520



6.5221, 21.2127, 26.7735

Square

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



40.4697, 21.2127, 4.1520



11.3522, 21.2127, 0.9601



8.1227, 21.2127, 68.3408



32.6450, 21.2127, 104.4334

Rectangle

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



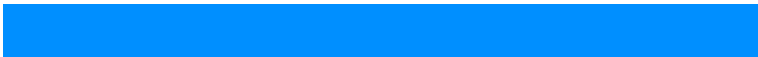
40.4697, 21.2127, 4.1520



22.3258, 21.2127, 0.0000



8.1227, 21.2127, 68.3408



18.1428, 21.2127, 130.4139

Sweetspot

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



40.4702, 21.2140, 4.1523



68.3922, 60.2657, 58.1445



49.6773, 23.9973, 93.2796



14.0744, 12.0638, 11.3533



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.



40.4702, 21.2140, 4.1523



41.3971, 21.3228, 2.7573



45.8269, 32.3790, 4.5459



17.3088, 17.2509, 18.2161



21.0147, 10.8216, 1.5197



1.9674, 1.0107, 0.2516

Inverse Universe

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



40.4702, 21.2140, 4.1523



41.3971, 21.3228, 2.7573



30.1234, 31.9265, 95.8407



17.3088, 17.2509, 18.2161



21.0147, 10.8216, 1.5197



1.9674, 1.0107, 0.2516

Previews

White Background



This preview shows how the XYZ color 40.4697, 21.2127, 4.1520 looks on a white background.

Color Contrast Check

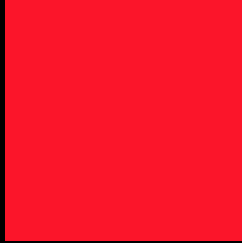
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.4697, 21.2127, 4.1520 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 40.4697, 21.2127, 4.1520

Background



This preview shows how black text looks on a background with the XYZ color 40.4697, 21.2127, 4.1520.



This preview shows how white text looks on a background with the XYZ color 40.4697, 21.2127,

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

40.4697, 21.2127, 4.1520

Protanopia

19.6870, 21.4944, 8.2655

Deuteranopia

21.6215, 21.2863, 3.4210



Tritanopia

40.2542, 21.2885, 2.5178

Trichromacy



Original Color

40.4697, 21.2127, 4.1520



Protanomaly

23.3670, 17.2639, 5.9716



Deuteranomaly

25.6721, 18.0365, 3.0480



Tritanomaly

40.2967, 21.2371, 2.9526

Monochromacy



Original Color

40.4697, 21.2127, 4.1520



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

15.7619, 10.8749, 7.7469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4697, 21.2127, 4.1520 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(251, 21, 42)` looks like.

```
.text, #text, p{  
    color:rgb(251, 21, 42)  
}
```

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(251, 21, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 21, 42) }
```

Border

The CSS property to change the border of an element to XYZ 40.4697, 21.2127, 4.1520 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(251, 21, 42) }
```


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

```
.border{ border-color:rgb(251, 21, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 21, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 21, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 21, 42);  
box-shadow:4px 4px 4px 4px rgb(251, 21,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4697, 21.2127, 4.1520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 21, 42) }
```

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

```
.background{ background-color: rgb(251, 21,  
42) }
```

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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