

Converting Colors

XYZ(41.6446, 21.2250, 12.9558)

Have a look what the booklet for
XYZ(41.6446, 21.2250, 12.9558)
contains.

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Color

**XYZ(41.5357, 21.1685,
12.9631)**

Conversions

Conversions Part 1

Format	Color
Hex	FA0060
RGB	250, 0, 96
RGB Percent	98%, 0%, 38%
CMY	0.0196, 0.9998, 0.6235
CMYK	0.00, 1.00, 0.62, 0.02
HSL	337°, 100%, 49%
HSV	337°, 100%, 98%
XYZ	41.5357, 21.1685, 12.9631
YIQ	85.6940, 118.1840, 82.8560

Conversions

Conversions Part 2

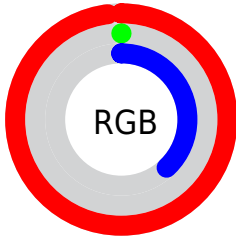
Format	Color
R_YB	250, 0, 96
Decimal	16384096
CIE Lab	53.13, 81.44, 20.81
CIE LCh	53, 84.056, 14.331
Yxy	21.1685, 0.5489, 0.2798
Android (android.graphics.Color)	4294574176 (0xFFFA0060)
YUV	85.6940, 5.0809, 144.0964
Hunter-Lab	46.0092, 80.6280, 15.5015

Details

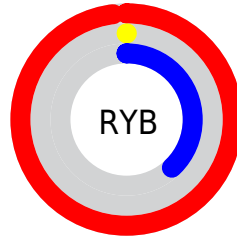
The XYZ color **41.5357, 21.1685, 12.9631** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **40.0241, 70.7065, 42.1371**, and the grayscale version is **8.7599, 9.2161, 10.0364**.

A 20% lighter version of the original color is **50.7030, 31.8847, 30.6761**, and **20.6051, 10.5533, 4.0829** is the 20% darker color. If you saturate the color by 10%, you get **41.5338, 21.1677, 12.9538**, and if you desaturate by 10%, it is **42.6647, 22.1785, 17.1881**.

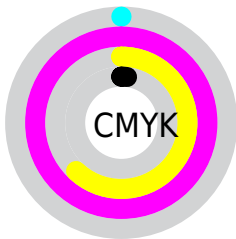
Distribution



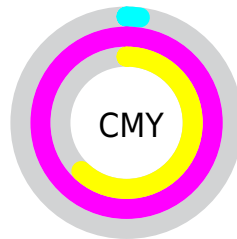
- Red (98%)
- Green (0%)
- Blue (38%)



- Red (98%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5357, 21.1685, 12.9631 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 41.5357, 21.1685, 12.9631 by changing the saturation by 10% instead.


 41.5357, 21.1685,
12.9631


 41.5357, 21.1685,
12.9631


343.5791,
258.1726, 221.8806


 28.9274, 13.2472,
7.2727


 76.7660, 45.3678,
31.9277

 19.1699, 7.5990,
3.5522


 100.1188, 62.4146,
46.0390


 11.8979, 3.8395,
1.3831


 127.7837, 83.2721,
63.7943

 6.7459, 1.5842,
0.1284

 160.1263,
108.3245, 85.6122

 3.3486, 0.3469,
0.0000

 197.5117,
137.9564, 111.9113

 1.3407, 0.0000,
0.0000

 240.3054,

 0.2134, 0.0000,

172.5522, 143.1100

0.0000

288.8728,
212.4961, 179.6269

■ 0.0000, 0.0000,
0.0000

■ 41.5357, 21.1685,
12.9631

■ 41.5357, 21.1685,
12.9631

■ 41.5338, 21.1677,
12.9538

■ 42.6647, 22.1785,
17.1881

■ 44.3857, 24.1378,
22.3328

■ 46.8429, 27.3239,
28.4798

■ 50.1259, 31.9056,
35.6910

■ 54.3104, 38.0248,
44.0220

■ 59.4633, 45.8056,
53.5237

■ 65.6446, 55.3595,
64.2435

■ 72.9095, 66.7880,
76.2257

■ 81.3089, 80.1851,
89.5124

Harmonies

Analogous

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



41.3692, 21.1685, 38.8855



41.5357, 21.1685, 12.9631



34.9218, 21.1685, 3.0074

Triad

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



41.5357, 21.1685, 12.9631



10.4131, 21.1685, 2.8051



15.8631, 21.1685, 109.0930

Complementary

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



41.5357, 21.1685, 12.9631



40.0241, 70.7065, 42.1371

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.



10.2331, 21.1685, 76.6749



41.5357, 21.1685, 12.9631



7.7758, 21.1685, 12.2286

Square

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



41.5357, 21.1685, 12.9631



16.1929, 21.1685, 0.7109



7.7213, 21.1685, 37.3486



24.6357, 21.1685, 109.9253

Rectangle

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



41.5357, 21.1685, 12.9631



28.4331, 21.1685, 1.1152



7.7213, 21.1685, 37.3486



13.6093, 21.1685, 100.8523

Sweetspot

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



41.5362, 21.1698, 12.9634



68.6285, 57.8475, 67.1356



29.8382, 13.3898, 91.4540



14.0769, 11.4300, 13.3235



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.



41.5362, 21.1698, 12.9634



43.4390, 22.1396, 13.5098



39.7734, 21.0217, 1.9631



17.5203, 17.3355, 19.3298



22.0958, 11.2540, 7.2127



2.0964, 1.0623, 0.9312

Inverse Universe

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



41.5362, 21.1698, 12.9634



43.4390, 22.1396, 13.5098



44.1828, 60.7561, 99.8406



17.5203, 17.3355, 19.3298



22.0958, 11.2540, 7.2127



2.0964, 1.0623, 0.9312

Previews

White Background



This preview shows how the XYZ color 41.5357, 21.1685, 12.9631 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 41.5357, 21.1685, 12.9631 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 41.5357, 21.1685, 12.9631

Background



This preview shows how black text looks on a background with the XYZ color 41.5357, 21.1685, 12.9631.



This preview shows how white text looks on a background with the XYZ color 41.5357, 21.1685,

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

41.5357, 21.1685, 12.9631

Protanopia

21.0754, 21.5842, 27.8663

Deuteranopia

22.0491, 21.6918, 11.6192



Tritanopia

39.7554, 21.5349, 3.7304

Trichromacy



Original Color

41.5357, 21.1685, 12.9631



Protanomaly

23.5938, 16.1108, 20.9349



Deuteranomaly

25.5138, 16.9889, 11.3856



Tritanomaly

40.1783, 21.1405, 5.9659

Monochromacy



Original Color

41.5357, 21.1685, 12.9631



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

15.0657, 9.5816, 10.7282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5357, 21.1685, 12.9631 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(250, 0, 96)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 96)  
}
```

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(250, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 96) }
```

Border

The CSS property to change the border of an element to XYZ 41.5357, 21.1685, 12.9631 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(250, 0, 96) }
```


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

```
.border{ border-color:rgb(250, 0, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 0, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 96);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.5357, 21.1685, 12.9631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 96) }
```

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

```
.background{ background-color: rgb(250, 0,  
96) }
```

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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