

Converting Colors

XYZ(40.6824, 17.8534, 12.4494)

Have a look what the booklet for
XYZ(40.6824, 17.8534, 12.4494)
contains.

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Color

**XYZ(42.6193, 21.7272,
13.0138)**

Conversions

Conversions Part 1

Format	Color
Hex	FD0060
RGB	253, 0, 96
RGB Percent	99%, 0%, 38%
CMY	0.0078, 0.9997, 0.6235
CMYK	0.00, 1.00, 0.62, 0.01
HSL	337°, 100%, 50%
HSV	337°, 100%, 99%
XYZ	42.6193, 21.7272, 13.0138
YIQ	86.5910, 119.9720, 83.4920

Conversions

Conversions Part 2

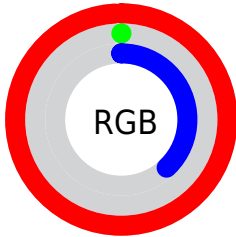
Format	Color
R_{YB}	253, 0, 96
Decimal	16580704
CIE _{Lab}	53.74, 82.11, 21.72
CIE _{LCh}	54, 84.937, 14.815
Yxy	21.7272, 0.5509, 0.2809
Android (android.graphics.Color)	4294770784 (0xFFFD0060)
YUV	86.5910, 4.6386, 145.9407
Hunter-Lab	46.6124, 81.6367, 16.0754

Details

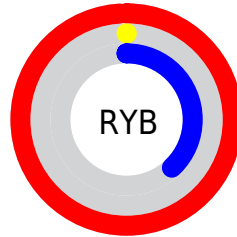
The XYZ color **42.6193, 21.7272, 13.0138** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **41.2176, 72.6872, 43.7867**, and the grayscale version is **8.9519, 9.4181, 10.2563**.

A 20% lighter version of the original color is **50.7960, 32.0707, 30.7071**, and **21.3366, 10.9304, 4.1172** is the 20% darker color. If you saturate the color by 10%, you get **42.6171, 21.7262, 13.0034**, and if you desaturate by 10%, it is **43.7715, 22.7569, 17.3286**.

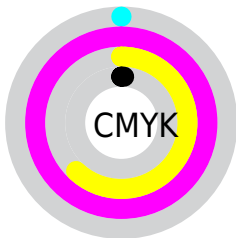
Distribution



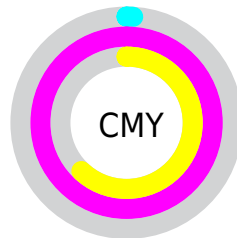
- Red (99%)
- Green (0%)
- Blue (38%)



- Red (99%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6193, 21.7272, 13.0138 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 42.6193, 21.7272, 13.0138 by changing the saturation by 10% instead.


 42.6193, 21.7272,
13.0138


 42.6193, 21.7272,
13.0138


347.9919,
261.1183, 222.2170


 29.7798, 13.6566,
7.3072


 78.3954, 46.2947,
32.0201

 19.8187, 7.8822,
3.5736


 102.0626, 63.5604,
46.1569


 12.3708, 4.0197,
1.3945


 130.0697, 84.6599,
63.9409

 7.0707, 1.6846,
0.1374

 162.7822,
109.9776, 85.7906

 3.5531, 0.4136,
0.0000

 200.5652,
139.8979, 112.1245

 1.4526, 0.0000,
0.0000

 243.7843,

 0.2932, 0.0000,

174.8052, 143.3612

0.0000

292.8048,
215.0839, 179.9192

■ 0.0000, 0.0000,
0.0000

■ 42.6193, 21.7272,
13.0138

■ 42.6193, 21.7272,
13.0138

■ 42.6171, 21.7262,
13.0034

■ 43.7715, 22.7569,
17.3286

■ 45.5346, 24.7644,
22.5987

■ 48.0566, 28.0338,
28.9097

■ 51.4298, 32.7391,
36.3264

■ 55.7325, 39.0266,
44.9069

■ 61.0337, 47.0241,
54.7043

■ 67.3954, 56.8465,
65.7682

■ 74.8743, 68.5983,
78.1448

■ 83.5232, 82.3765,
91.8782

Harmonies

Analogous

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



42.5719, 21.7272, 39.3696



42.6193, 21.7272, 13.0138



35.7252, 21.7272, 2.9946

Triad

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



42.6193, 21.7272, 13.0138



10.6067, 21.7272, 2.9372



16.3966, 21.7272, 112.5259

Complementary

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



42.6193, 21.7272, 13.0138



41.2176, 72.6872, 43.7867

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.



10.5555, 21.7272, 79.5081



42.6193, 21.7272, 13.0138



7.9447, 21.7272, 12.8049

Square

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



42.6193, 21.7272, 13.0138



16.4904, 21.7272, 0.7366



7.9292, 21.7272, 38.9319



25.4585, 21.7272, 112.7632

Rectangle

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



42.6193, 21.7272, 13.0138



29.0323, 21.7272, 1.1105



7.9292, 21.7272, 38.9319



14.0614, 21.7272, 104.2108

Sweetspot

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



42.6198, 21.7285, 13.0141



68.5856, 57.8303, 66.9095



31.4489, 14.1655, 94.0045



14.0668, 11.4260, 13.2706



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.



42.6198, 21.7285, 13.0141



43.3844, 22.1178, 13.2225



40.9618, 21.7900, 2.0490



18.2944, 18.1011, 20.1674



22.7361, 11.5837, 7.2607



2.2649, 1.1483, 0.9762

Inverse Universe

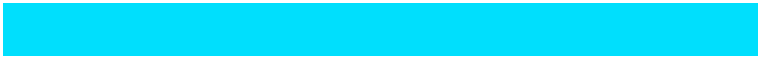
The Inverse Universe completely reimagines the original color for something new.



42.6198, 21.7285, 13.0141



43.3844, 22.1178, 13.2225



44.2494, 60.1302, 102.2020



18.2944, 18.1011, 20.1674



22.7361, 11.5837, 7.2607



2.2649, 1.1483, 0.9762

Previews

White Background



This preview shows how the XYZ color 42.6193, 21.7272, 13.0138 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 42.6193, 21.7272, 13.0138 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 42.6193, 21.7272, 13.0138

Background



This preview shows how black text looks on a background with the XYZ color 42.6193, 21.7272, 13.0138.



This preview shows how white text looks on a background with the XYZ color 42.6193, 21.7272,

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

42.6193, 21.7272, 13.0138

Protanopia

21.6371, 22.2611, 27.9674

Deuteranopia

22.5576, 22.1391, 11.6787



Tritanopia

40.8276, 22.0876, 3.7806

Trichromacy



Original Color

42.6193, 21.7272, 13.0138



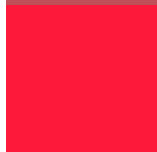
Protanomaly

24.1109, 16.4885, 20.9806



Deuteranomaly

26.0850, 17.3896, 11.4329



Tritanomaly

41.2562, 21.6962, 6.0163

Monochromacy



Original Color

42.6193, 21.7272, 13.0138



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.2443, 9.6736, 10.7366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6193, 21.7272, 13.0138 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(253, 0, 96)` looks like.

```
.text, #text, p{  
    color:rgb(253, 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(253, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 0, 96) }
```

Border

The CSS property to change the border of an element to XYZ 42.6193, 21.7272, 13.0138 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(253, 0, 96) }
```


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

```
.border{ border-color:rgb(253, 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(253, 0, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 0, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 0, 96);  
box-shadow:4px 4px 4px 4px rgb(253, 0, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.6193, 21.7272, 13.0138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 0, 96) }
```

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

```
.background{ background-color: rgb(253, 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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