

Converting Colors

XYZ(38.8240, 14.6894, 5.9252)

Have a look what the booklet for
XYZ(38.8240, 14.6894, 5.9252)
contains.

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Color

**XYZ(42.2234, 21.6533,
7.1084)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0042
RGB	255, 0, 66
RGB Percent	100%, 0%, 26%
CMY	0.0000, 0.9997, 0.7412
CMYK	0.00, 1.00, 0.74, 0.00
HSL	344°, 100%, 50%
HSV	344°, 100%, 100%
XYZ	42.2234, 21.6533, 7.1084
YIQ	83.7690, 130.7940, 74.5860

Conversions

Conversions Part 2

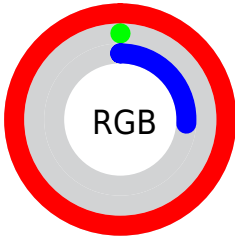
Format	Color
R_{YB}	255, 0, 66
Decimal	16711746
CIE _{Lab}	53.66, 81.27, 39.57
CIE _{LCh}	54, 90.386, 25.961
Yxy	21.6533, 0.5948, 0.3050
Android (android.graphics.Color)	4294901826 (0xFFFF0042)
YUV	83.7690, -8.7601, 150.1696
Hunter-Lab	46.5331, 80.5351, 23.5160

Details

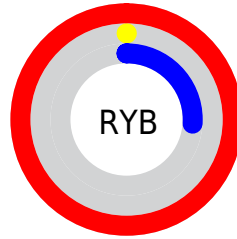
The XYZ color **42.2234, 21.6533, 7.1084** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **44.9530, 75.1970, 60.3262**, and the grayscale version is **8.3853, 8.8220, 9.6071**.

A 20% lighter version of the original color is **48.6449, 31.2103, 19.3799**, and **21.1511, 10.8848, 1.8503** is the 20% darker color. If you saturate the color by 10%, you get **42.2217, 21.6527, 7.1008**, and if you desaturate by 10%, it is **43.2356, 22.6340, 10.6647**.

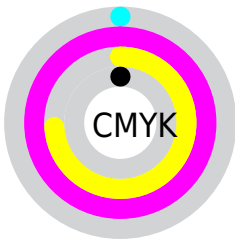
Distribution



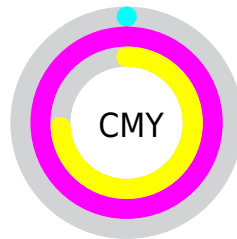
- Red (100%)
- Green (0%)
- Blue (26%)



- Red (100%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2234, 21.6533, 7.1084 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 42.2234, 21.6533, 7.1084 by changing the saturation by 10% instead.


 42.2234, 21.6533,
7.1084

 42.2234, 21.6533,
7.1084


346.3841,
260.7303, 178.2264


 29.4681, 13.6024,
3.4505


 77.8007, 46.1723,
20.7075


 19.5813, 7.8446,
1.3290


 101.3534, 63.4092,
31.4858

 12.1975, 3.9957,
0.0854


 129.2359, 84.4768,
45.4747

 6.9515, 1.6712,
0.0000

 161.8137,
109.7596, 63.0927

 3.4779, 0.4049,
0.0000

 199.4521,
139.6420, 84.7583

 1.4112, 0.0000,
0.0000

 242.5163,

 0.2642, 0.0000,

174.5083, 110.8901

0.0000

291.3719,
214.7429, 141.9066

■ 0.0000, 0.0000,
0.0000

■ 42.2234, 21.6533,
7.1084

■ 42.2234, 21.6533,
7.1084

■ 42.2217, 21.6527,
7.1008

■ 43.2356, 22.6340,
10.6647

■ 44.9155, 24.6289,
15.4328

■ 47.4207, 27.9300,
21.5372

■ 50.8516, 32.7172,
29.0766

■ 55.2936, 39.1417,
38.1396

60.8220, 47.3359,
48.8069

67.5046, 57.4189,
61.1534

75.4037, 69.4990,
75.2491

84.5770, 83.6765,
91.1598

Harmonies

Analogous

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



45.2464, 21.6533, 27.5287



42.2234, 21.6533, 7.1084



32.8367, 21.6533, 1.2569

Triad

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



42.2234, 21.6533, 7.1084



8.7014, 21.6533, 4.5698



19.2991, 21.6533, 126.5145

Complementary

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



42.2234, 21.6533, 7.1084



44.9530, 75.1970, 60.3262

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.



11.8313, 21.6533, 100.9150



42.2234, 21.6533, 7.1084



7.0504, 21.6533, 20.0224

Square

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



42.2234, 21.6533, 7.1084



13.4695, 21.6533, 0.7863



7.9845, 21.6533, 55.3992



29.8366, 21.6533, 111.1262

Rectangle

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



42.2234, 21.6533, 7.1084



25.4271, 21.6533, 0.3374



7.9845, 21.6533, 55.3992



16.3931, 21.6533, 122.0986

Sweetspot

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



42.2239, 21.6547, 7.1087



67.4861, 57.3905, 61.1195



38.5483, 17.7884, 96.0090



13.8110, 11.3236, 11.9235



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.



42.2239, 21.6547, 7.1087



42.2220, 21.6528, 7.1009



42.8325, 24.4449, 2.4627



18.2022, 18.0642, 19.6818



22.1130, 11.3345, 3.9796



2.1953, 1.1205, 0.6101

Inverse Universe

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



42.2239, 21.6547, 7.1087



42.2220, 21.6528, 7.1009



37.6814, 46.4818, 101.5931



18.2022, 18.0642, 19.6818



22.1130, 11.3345, 3.9796



2.1953, 1.1205, 0.6101

Previews

White Background



This preview shows how the XYZ color 42.2234, 21.6533, 7.1084 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 42.2234, 21.6533, 7.1084

Background



This preview shows how black text looks on a background with the XYZ color 42.2234, 21.6533, 7.1084.



This preview shows how white text looks on a background with the XYZ color 42.2234, 21.6533,

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

42.2234, 21.6533, 7.1084

Protanopia

20.5836, 22.0046, 14.9668

Deuteranopia

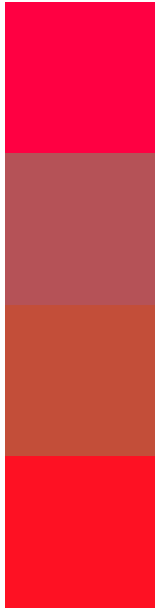
22.4007, 21.9909, 6.3128



Tritanopia

41.3742, 21.8984, 2.6184

Trichromacy



Original Color

42.2234, 21.6533, 7.1084

Protanomaly

23.7936, 16.5465, 10.9565

Deuteranomaly

25.9686, 17.3463, 5.8504

Tritanomaly

41.3769, 21.5931, 3.5772

Monochromacy



Original Color

42.2234, 21.6533, 7.1084

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

14.4667, 9.1930, 8.0331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2234, 21.6533, 7.1084 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(255, 0, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 66)  
}
```

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(255, 0, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 66) }
```

Border

The CSS property to change the border of an element to XYZ 42.2234, 21.6533, 7.1084 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(255, 0, 66) }
```


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

```
.border{ border-color:rgb(255, 0, 66) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.2234, 21.6533, 7.1084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 66) }
```

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

```
.background{ background-color: rgb(255, 0,  
66) }
```

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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