

Converting Colors

XYZ(41.2581, 21.2672, 2.0252)

Have a look what the booklet for
XYZ(41.2581, 21.2672, 2.0252)
contains.

XYZ(41.2564, 21.2666, 2.0166)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.2564, 21.2666,
2.0166)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0003
RGB	255, 0, 3
RGB Percent	100%, 0%, 1%
CMY	0.0000, 0.9997, 0.9882
CMYK	0.00, 1.00, 0.99, 0.00
HSL	359°, 100%, 50%
HSV	359°, 100%, 100%
XYZ	41.2564, 21.2666, 2.0166
YIQ	76.5870, 151.0170, 54.9930

Conversions

Conversions Part 2

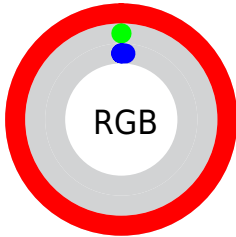
Format	Color
RYB	255, 0, 3
Decimal	16711683
CIELab	53.24, 80.13, 66.46
CIELCh	53, 104.106, 39.675
Yxy	21.2666, 0.6392, 0.3295
Android (android.graphics.Color)	4294901763 (0xFFFF0003)
YUV	76.5870, -36.2784, 156.4682
Hunter-Lab	46.1157, 78.9885, 29.6883

Details

The XYZ color **41.2564, 21.2666, 2.0166** 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 **53.3424, 78.5525, 104.5046**, and the grayscale version is **7.0305, 7.3967, 8.0550**.

A 20% lighter version of the original color is **46.2385, 29.9520, 7.6192**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **41.2556, 21.2662, 2.0145**, and if you desaturate by 10%, it is **41.8117, 22.0647, 3.1670**.

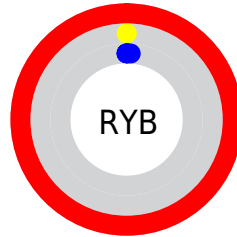
Distribution



Red (100%)

Green (0%)

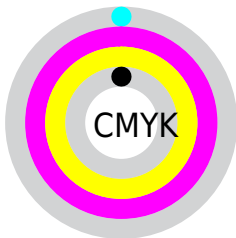
Blue (1%)



Red (100%)

Yellow (0%)

Blue (1%)

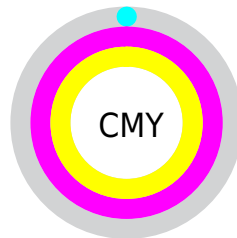


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2564, 21.2666, 2.0166 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 41.2564, 21.2666, 2.0166 by changing the saturation by 10% instead.


 41.2564, 21.2666,
2.0166


 41.2564, 21.2666,
2.0166

 342.4354,
258.6919, 122.6340


 28.7080, 13.3190,
0.5655


 76.3452, 45.5308,
9.0861

 19.0032, 7.6486,
0.0000


 99.6164, 62.6162,
15.5941


 11.7766, 3.8709,
0.0000


 127.1925, 83.5164,
24.6422

 6.6629, 1.6016,
0.0000

 159.4390,
108.6157, 36.6490

 3.2966, 0.3587,
0.0000

 196.7212,
138.2985, 52.0330

 1.3125, 0.0000,
0.0000

 239.4044,


 0.1925, 0.0000,


172.9492, 71.2128


0.0000


 287.8540,
212.9522, 94.6070


 0.0000, 0.0000,
0.0000


 41.2564, 21.2666,
2.0166


 41.2564, 21.2666,
2.0166


 41.2556, 21.2662,
2.0145

 41.8117, 22.0647,
3.1670

 43.0789, 23.8948,
5.7603

 45.2614, 27.0671,
10.1644

 48.4883, 31.7731,
16.6288

 52.8682, 38.1731,
25.3636

■ 58.4960, 46.4076,
36.5532

■ 65.4567, 56.6022,
50.3629

■ 73.8281, 68.8716,
66.9440

■ 83.6818, 83.3217,
86.4359

Harmonies

Analogous

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



49.0570, 21.2666, 14.3943



41.2564, 21.2666, 2.0166



28.4869, 21.2666, 0.0000

Triad

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



41.2564, 21.2666, 2.0166



6.1586, 21.2666, 7.8437



23.9804, 21.2666, 148.9213

Complementary

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



41.2564, 21.2666, 2.0166



53.3424, 78.5525, 104.5046

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.



13.7201, 21.2666, 139.0810



41.2564, 21.2666, 2.0166



5.7098, 21.2666, 34.9010

Square

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



41.2564, 21.2666, 2.0166



9.4931, 21.2666, 0.8155



7.9124, 21.2666, 87.3595



36.9483, 21.2666, 108.0814

Rectangle

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



41.2564, 21.2666, 2.0166



20.3337, 21.2666, 0.0000



7.9124, 21.2666, 87.3595



20.0933, 21.2666, 151.9172

Sweetspot

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



41.2568, 21.2680, 2.0169



65.4351, 56.5702, 50.3193



57.7443, 27.6844, 96.9069



13.3421, 11.1361, 9.4543



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.



41.2568, 21.2680, 2.0169



41.2560, 21.2664, 2.0145



48.3587, 35.4974, 4.3050



18.0179, 17.9905, 18.7113



21.5608, 11.1136, 1.0719



2.1021, 1.0832, 0.1193

Inverse Universe

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



41.2568, 21.2680, 2.0169



41.2560, 21.2664, 2.0145



26.2729, 23.6648, 97.7898



18.0179, 17.9905, 18.7113



21.5608, 11.1136, 1.0719



2.1021, 1.0832, 0.1193

Previews

White Background



This preview shows how the XYZ color 41.2564, 21.2666, 2.0166 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 41.2564, 21.2666, 2.0166

Background



This preview shows how black text looks on a background with the XYZ color 41.2564, 21.2666, 2.0166.



This preview shows how white text looks on a background with the XYZ color 41.2564, 21.2666,

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

41.2564, 21.2666, 2.0166

Protanopia

19.6264, 21.7396, 4.6006

Deuteranopia

21.8598, 21.6004, 3.0172



Tritanopia

40.8346, 21.5359, 2.0046

Trichromacy



Original Color

41.2564, 21.2666, 2.0166

Protanomaly

22.9293, 16.2829, 2.6935

Deuteranomaly

25.4948, 17.1867, 2.0024

Tritanomaly

41.0494, 21.4147, 1.9986

Monochromacy



Original Color

41.2564, 21.2666, 2.0166

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

12.8294, 8.1777, 3.9199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2564, 21.2666, 2.0166 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, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 3)  
}
```

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, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 3) }
```

Border

The CSS property to change the border of an element to XYZ 41.2564, 21.2666, 2.0166 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, 3) }
```


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

```
.border{ border-color:rgb(255, 0, 3) }
```

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, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(255, 0, 3); box-shadow:4px  
4px 4px 4px rgb(255, 0, 3) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2564, 21.2666, 2.0166 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, 3) }
```

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

```
.background{ background-color: rgb(255, 0,  
3) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor