

Converting Colors

XYZ(41.3405, 21.4611, 1.9635)

Have a look what the booklet for
XYZ(41.3405, 21.4611, 1.9635)
contains.

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Color

**XYZ(41.3377, 21.4554,
1.9626)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0900
RGB	255, 9, 0
RGB Percent	100%, 4%, 0%
CMY	0.0000, 0.9644, 1.0000
CMYK	0.00, 0.96, 1.00, 0.00
HSL	2°, 100%, 50%
HSV	2°, 100%, 100%
XYZ	41.3377, 21.4554, 1.9626
YIQ	81.5280, 149.5050, 49.3530

Conversions

Conversions Part 2

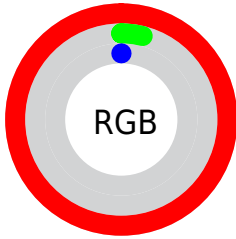
Format	Color
R_{YB}	255, 9, 0
Decimal	16713984
CIE Lab	53.44, 79.50, 67.29
CIE LCh	53, 104.154, 40.247
Yxy	21.4554, 0.6384, 0.3313
Android (android.graphics.Color)	4294904064 (0xFFFF0900)
YUV	81.5280, -40.1933, 152.1349
Hunter-Lab	46.3200, 78.2402, 29.9118

Details

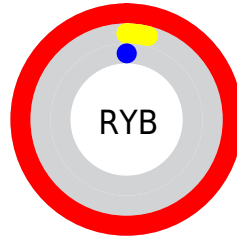
The XYZ color **41.3377, 21.4554, 1.9626** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **50.9839, 73.0881, 106.0272**, and the grayscale version is **7.9905, 8.4067, 9.1549**.

A 20% lighter version of the original color is **46.3971, 30.3111, 7.5429**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **41.3381, 21.4567, 1.9628**, and if you desaturate by 10%, it is **41.9831, 22.4572, 3.0703**.

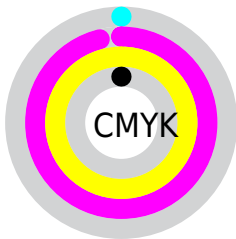
Distribution



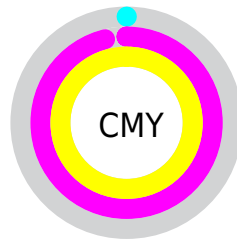
- Red (100%)
- Green (4%)
- Blue (0%)



- Red (100%)
- Yellow (4%)
- Blue (0%)



- Cyan (0%)
- Magenta (96%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (96%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3377, 21.4554, 1.9626 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 41.3377, 21.4554, 1.9626 by changing the saturation by 10% instead.


 41.3377, 21.4554,
1.9626

 41.3377, 21.4554,
1.9626


 342.7686,
259.6889, 121.7933

 28.7719, 13.4573,
0.5321


 76.4677, 45.8442,
8.9383

 19.0517, 7.7442,
0.0000


 99.7627, 63.0037,
15.3820


 11.8119, 3.9317,
0.0000


 127.3647, 83.9858,
24.3542

 6.6870, 1.6354,
0.0000

 159.6392,
109.1749, 36.2736

 3.3117, 0.3813,
0.0000

 196.9514,
138.9553, 51.5587


 1.3207, 0.0000,
0.0000

 239.6669,


 0.1986, 0.0000,


173.7116, 70.6279


0.0000


 288.1508,
213.8279, 93.9000


 0.0000, 0.0000,
0.0000


 41.3377, 21.4554,
1.9626


 41.3377, 21.4554,
1.9626

 41.3381, 21.4567,
1.9628

 41.9831, 22.4572,
3.0703

 43.3634, 24.5511,
5.5856

 45.6436, 27.9525,
9.9191

 48.9422, 32.8275,
16.3277

 53.3595, 39.3179,
25.0274

■ 58.9841, 47.5487,
36.2069

■ 65.8953, 57.6329,
50.0353

■ 74.1659, 69.6735,
66.6672

■ 83.8633, 83.7664,
86.2450

Harmonies

Analogous

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



49.3319, 21.4554, 14.1074



41.3377, 21.4554, 1.9626



28.4661, 21.4554, 0.0000

Triad

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



41.3377, 21.4554, 1.9626



6.2027, 21.4554, 8.2212



24.4190, 21.4554, 149.3629

Complementary

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



41.3377, 21.4554, 1.9626



50.9839, 73.0881, 106.0272

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.



14.0113, 21.4554, 140.5358



41.3377, 21.4554, 1.9626



5.7989, 21.4554, 35.9720

Square

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



41.3377, 21.4554, 1.9626



9.4994, 21.4554, 0.8843



8.0780, 21.4554, 89.0357



37.4699, 21.4554, 107.6272

Rectangle

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



41.3377, 21.4554, 1.9626



20.3009, 21.4554, 0.0000



8.0780, 21.4554, 89.0357



20.4848, 21.4554, 152.7361

Sweetspot

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



41.3381, 21.4568, 1.9629



65.8951, 57.6322, 50.0343



57.9510, 27.9444, 89.9305



13.4460, 11.3758, 9.3901



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.



41.3381, 21.4568, 1.9629



41.3385, 21.4569, 1.9628



50.0439, 38.8683, 4.8648



18.0612, 18.0905, 18.6842



21.6226, 11.2565, 1.0331



2.1227, 1.1309, 0.1064

Inverse Universe

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



50.9839, 73.0881, 106.0272



50.9843, 73.0886, 106.0281



24.6468, 20.4138, 97.2482



18.4962, 20.3640, 23.2057



26.6650, 38.2396, 55.4102



2.6129, 3.7565, 5.4006

Previews

White Background



This preview shows how the XYZ color 41.3377, 21.4554, 1.9626 looks on a white background.

Color Contrast Check

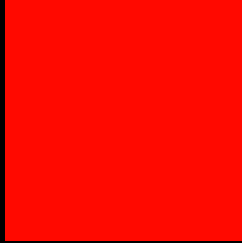
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.3377, 21.4554, 1.9626 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 41.3377, 21.4554, 1.9626

Background



This preview shows how black text looks on a background with the XYZ color 41.3377, 21.4554, 1.9626.



This preview shows how white text looks on a background with the XYZ color 41.3377, 21.4554,

1.9626.

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

41.3377, 21.4554, 1.9626

Protanopia

19.8018, 21.8301, 4.6088

Deuteranopia

21.8598, 21.6004, 3.0172



Tritanopia

40.8144, 21.4954, 1.9979

Trichromacy



Original Color

41.3377, 21.4554, 1.9626

Protanomaly

23.3914, 16.8654, 2.7320

Deuteranomaly

25.7074, 17.6206, 2.0462

Tritanomaly

41.0894, 21.5034, 1.9849

Monochromacy



Original Color

41.3377, 21.4554, 1.9626

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

13.6631, 9.0001, 4.2659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3377, 21.4554, 1.9626 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, 9, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 9, 0)  
}
```

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, 9, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 9, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.3377, 21.4554, 1.9626 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, 9, 0) }
```


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

```
.border{ border-color:rgb(255, 9, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 9, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 9, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(255, 9, 0); box-shadow:4px  
4px 4px 4px rgb(255, 9, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3377, 21.4554, 1.9626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 9, 0) }
```

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

```
.background{ background-color: rgb(255, 9,  
0) }
```

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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