

Converting Colors

XYZ(41.2463, 21.2625, 1.9633)

Have a look what the booklet for
XYZ(41.2463, 21.2625, 1.9633)
contains.

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Color

**XYZ(41.2455, 21.2622,
1.9589)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0001
RGB	255, 0, 1
RGB Percent	100%, 0%, 0%
CMY	0.0000, 0.9997, 0.9961
CMYK	0.00, 1.00, 1.00, 0.00
HSL	360°, 100%, 50%
HSV	360°, 100%, 100%
XYZ	41.2455, 21.2622, 1.9589
YIQ	76.3590, 151.6590, 54.3710

Conversions

Conversions Part 2

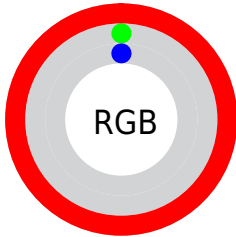
Format	Color
RYB	255, 0, 1
Decimal	16711681
CIELab	53.24, 80.12, 66.97
CIELCh	53, 104.417, 39.891
Yxy	21.2622, 0.6398, 0.3298
Android (android.graphics.Color)	4294901761 (0xFFFF0001)
YUV	76.3590, -37.1520, 156.6682
Hunter-Lab	46.1110, 78.9712, 29.7589

Details

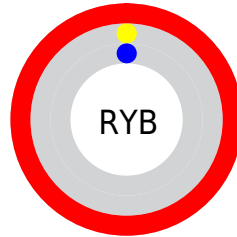
The XYZ color **41.2455, 21.2622, 1.9589** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **53.6608, 78.6800, 106.1811**, and the grayscale version is **6.9895, 7.3535, 8.0079**.

A 20% lighter version of the original color is **46.2123, 29.9415, 7.4813**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **41.2448, 21.2619, 1.9569**, and if you desaturate by 10%, it is **41.7907, 22.0562, 3.0561**.

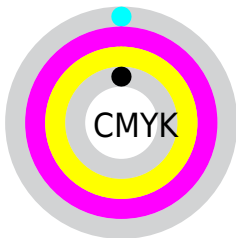
Distribution



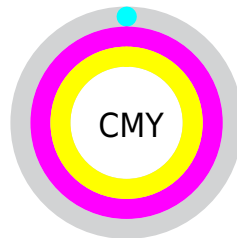
- Red (100%)
- Green (0%)
- Blue (0%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2455, 21.2622, 1.9589 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 41.2455, 21.2622, 1.9589 by changing the saturation by 10% instead.

 41.2455, 21.2622,
1.9589


 41.2455, 21.2622,
1.9589


 342.3907,
258.6687, 121.7353


 28.6995, 13.3158,
0.5298


 76.3288, 45.5235,
8.9281


 18.9967, 7.6464,
0.0000


 99.5968, 62.6072,
15.3674


 11.7719, 3.8695,
0.0000


 127.1694, 83.5054,
24.3344

 6.6597, 1.6008,
0.0000

 159.4122,
108.6026, 36.2477

 3.2946, 0.3582,
0.0000

 196.6903,
138.2831, 51.5259

 1.3114, 0.0000,
0.0000

 239.3692,


 0.1917, 0.0000,


172.9314, 70.5876


0.0000


 287.8142,
212.9318, 93.8512


 0.0000, 0.0000,
0.0000


 41.2455, 21.2622,
1.9589


 41.2455, 21.2622,
1.9589

 41.2448, 21.2619,
1.9569

 41.7907, 22.0562,
3.0561

 43.0423, 23.8800,
5.5679

 45.2111, 27.0467,
9.9002

 48.4277, 31.7484,
16.3104

 52.8017, 38.1459,
25.0146

■ 58.4290, 46.3801,
36.2020

■ 65.3954, 56.5768,
50.0420

■ 73.7792, 68.8511,
66.6893

■ 83.6528, 83.3090,
86.2866

Harmonies

Analogous

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



49.1375, 21.2622, 14.2050



41.2455, 21.2622, 1.9589



28.4148, 21.2622, 0.0000

Triad

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



41.2455, 21.2622, 1.9589



6.1174, 21.2622, 7.9156



24.0762, 21.2622, 149.3874

Complementary

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



41.2455, 21.2622, 1.9589



53.6608, 78.6800, 106.1811

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.



13.7580, 21.2622, 139.8892



41.2455, 21.2622, 1.9589



5.6871, 21.2622, 35.2327

Square

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



41.2455, 21.2622, 1.9589



9.4291, 21.2622, 0.8158



7.9115, 21.2622, 88.0568



37.0945, 21.2622, 108.0473

Rectangle

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



41.2455, 21.2622, 1.9589



20.2496, 21.2622, 0.0000



7.9115, 21.2622, 88.0568



20.1686, 21.2622, 152.5385

Sweetspot

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



41.2459, 21.2636, 1.9592



65.3745, 56.5459, 49.9999



57.7444, 27.6844, 96.9071



13.3284, 11.1306, 9.3823



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.



41.2459, 21.2636, 1.9592



41.2451, 21.2620, 1.9569



48.3586, 35.4971, 4.3049



18.0121, 17.9882, 18.6811



21.5526, 11.1103, 1.0286



2.0994, 1.0821, 0.1049

Inverse Universe

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



41.2459, 21.2636, 1.9592



41.2451, 21.2620, 1.9569



26.2728, 23.6644, 97.7900



18.0121, 17.9882, 18.6811



21.5526, 11.1103, 1.0286



2.0994, 1.0821, 0.1049

Previews

White Background



This preview shows how the XYZ color 41.2455, 21.2622, 1.9589 looks on a white background.

Color Contrast Check

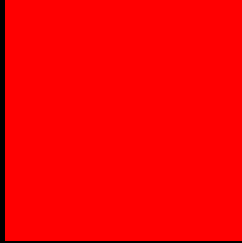
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.2455, 21.2622, 1.9589 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 41.2455, 21.2622, 1.9589

Background



This preview shows how black text looks on a background with the XYZ color 41.2455, 21.2622, 1.9589.



This preview shows how white text looks on a background with the XYZ color 41.2455, 21.2622,

1.9589.

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

41.2455, 21.2622, 1.9589

Protanopia

19.6264, 21.7396, 4.6006

Deuteranopia

21.8598, 21.6004, 3.0172



Tritanopia

40.8346, 21.5359, 2.0046

Trichromacy



Original Color

41.2455, 21.2622, 1.9589



Protanomaly

22.9198, 16.2791, 2.6436



Deuteranomaly

25.4893, 17.1845, 1.9735



Tritanomaly

41.0439, 21.4125, 1.9698

Monochromacy



Original Color

41.2455, 21.2622, 1.9589



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

12.5958, 7.9984, 3.7857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2455, 21.2622, 1.9589 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 1)  
}
```

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, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 1) }
```

Border

The CSS property to change the border of an element to XYZ 41.2455, 21.2622, 1.9589 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, 1) }
```


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

```
.border{ border-color:rgb(255, 0, 1) }
```

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, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(255, 0, 1); box-shadow:4px  
4px 4px 4px rgb(255, 0, 1) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2455, 21.2622, 1.9589 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, 1) }
```

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

```
.background{ background-color: rgb(255, 0,  
1) }
```

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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