

Converting Colors

XYZ(41.2496, 21.0499, 11.6435)

Have a look what the booklet for
XYZ(41.2496, 21.0499, 11.6435)
contains.

XYZ(41.2698, 21.0622, 11.5631)	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(41.2698, 21.0622,
11.5631)**

Conversions

Conversions Part 1

Format	Color
Hex	FA005A
RGB	250, 0, 90
RGB Percent	98%, 0%, 35%
CMY	0.0196, 0.9997, 0.6471
CMYK	0.00, 1.00, 0.64, 0.02
HSL	338°, 100%, 49%
HSV	338°, 100%, 98%
XYZ	41.2698, 21.0622, 11.5631
YIQ	85.0100, 120.1100, 80.9900

Conversions

Conversions Part 2

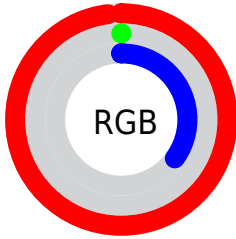
Format	Color
R_{YB}	250, 0, 90
Decimal	16384090
CIE _{Lab}	53.02, 81.13, 24.28
CIE _{LCh}	53, 84.685, 16.664
Yxy	21.0622, 0.5585, 0.2850
Android (android.graphics.Color)	4294574170 (0xFFFA005A)
YUV	85.0100, 2.4601, 144.6962
Hunter-Lab	45.8936, 80.2024, 17.1871

Details

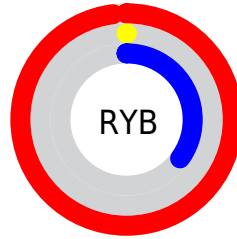
The XYZ color **41.2698, 21.0622, 11.5631** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **40.5372, 70.9116, 44.8388**, and the grayscale version is **8.6218, 9.0708, 9.8781**.

A 20% lighter version of the original color is **50.2483, 31.7028, 28.2818**, and **20.4812, 10.5037, 3.4306** is the 20% darker color. If you saturate the color by 10%, you get **41.2677, 21.0613, 11.5535**, and if you desaturate by 10%, it is **42.3749, 22.0627, 15.6620**.

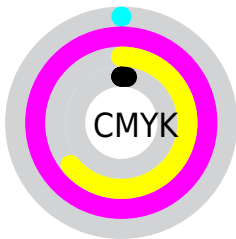
Distribution



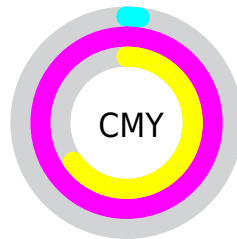
- Red (98%)
- Green (0%)
- Blue (35%)



- Red (98%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2698, 21.0622, 11.5631 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 41.2698, 21.0622, 11.5631 by changing the saturation by 10% instead.


 41.2698, 21.0622,
11.5631


 41.2698, 21.0622,
11.5631


342.4903,
257.6089, 212.3653


 28.7186, 13.1695,
6.3280


 76.3654, 45.1910,
29.3492

 19.0112, 7.5454,
2.9735


 99.6405, 62.1959,
42.7374


 11.7824, 3.8054,
1.0811


 127.2209, 83.0070,
59.6803

 6.6669, 1.5653,
0.0000

 159.4720,
108.0086, 80.5965

 3.2991, 0.3341,
0.0000

 196.7591,
137.5853, 105.9046

 1.3138, 0.0000,
0.0000

 239.4477,

 0.1935, 0.0000,

172.1212, 136.0230

0.0000

287.9030,
212.0010, 171.3704

■ 0.0000, 0.0000,
0.0000

■ 41.2698, 21.0622,
11.5631

■ 41.2698, 21.0622,
11.5631

■ 41.2677, 21.0613,
11.5535

■ 42.3749, 22.0627,
15.6620

■ 44.0809, 24.0161,
20.7274

■ 46.5331, 27.2004,
26.8473

■ 49.8218, 31.7847,
34.0884

■ 54.0239, 37.9111,
42.5109

■ 59.2067, 45.7041,
52.1698

■ 65.4312, 55.2754,
63.1161

■ 72.7531, 66.7269,
75.3980

■ 81.2240, 80.1529,
89.0606

Harmonies

Analogous

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



41.6875, 21.0622, 36.1821



41.2698, 21.0622, 11.5631



34.1931, 21.0622, 2.5740

Triad

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



41.2698, 21.0622, 11.5631



9.9811, 21.0622, 3.0708



16.3288, 21.0622, 111.1815

Complementary

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



41.2698, 21.0622, 11.5631



40.5372, 70.9116, 44.8388

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.



10.4291, 21.0622, 80.1602



41.2698, 21.0622, 11.5631



7.5661, 21.0622, 13.3920

Square

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



41.2698, 21.0622, 11.5631



15.5058, 21.0622, 0.7188



7.7013, 21.0622, 40.0339



25.3326, 21.0622, 109.0865

Rectangle

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



41.2698, 21.0622, 11.5631



27.5835, 21.0622, 0.9544



7.7013, 21.0622, 40.0339



13.9818, 21.0622, 103.6667

Sweetspot

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



41.2703, 21.0635, 11.5634



68.4039, 57.7577, 65.9528



31.4269, 14.2089, 91.5281



14.0244, 11.4090, 13.0471



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.



41.2703, 21.0635, 11.5634



43.1611, 22.0285, 12.0466



39.9792, 21.4336, 2.0319



17.5027, 17.3284, 19.2368



21.9523, 11.1966, 6.4570



2.0818, 1.0565, 0.8543

Inverse Universe

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



41.2703, 21.0635, 11.5634



43.1611, 22.0285, 12.0466



41.9852, 56.3608, 99.1078



17.5027, 17.3284, 19.2368



21.9523, 11.1966, 6.4570



2.0818, 1.0565, 0.8543

Previews

White Background



This preview shows how the XYZ color 41.2698, 21.0622, 11.5631 looks on a white background.

Color Contrast Check

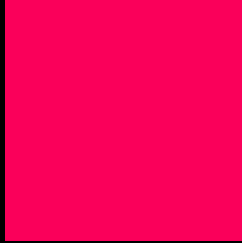
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.2698, 21.0622, 11.5631 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 41.2698, 21.0622, 11.5631

Background



This preview shows how black text looks on a background with the XYZ color 41.2698, 21.0622, 11.5631.



This preview shows how white text looks on a background with the XYZ color 41.2698, 21.0622,

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

41.2698, 21.0622, 11.5631

Protanopia

20.8075, 21.5118, 24.8853

Deuteranopia

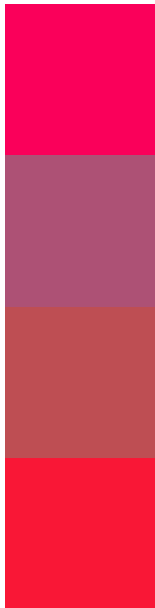
21.8884, 21.4521, 10.3842



Tritanopia

39.6168, 21.3280, 3.4675

Trichromacy



Original Color

41.2698, 21.0622, 11.5631

Protanomaly

23.3869, 16.0535, 18.6956

Deuteranomaly

25.5209, 17.0205, 10.1238

Tritanomaly

40.0392, 21.0189, 5.4368

Monochromacy



Original Color

41.2698, 21.0622, 11.5631

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

14.7165, 9.3462, 10.0452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2698, 21.0622, 11.5631 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(250, 0, 90)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 90)  
}
```

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(250, 0, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 41.2698, 21.0622, 11.5631 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(250, 0, 90) }
```


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

```
.border{ border-color:rgb(250, 0, 90) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.2698, 21.0622, 11.5631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 90) }
```

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

```
.background{ background-color: rgb(250, 0,  
90) }
```

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