

Converting Colors

XYZ(41.9538, 22.6952, 2.1694)

Have a look what the booklet for
XYZ(41.9538, 22.6952, 2.1694)
contains.

XYZ(41.9655, 22.7110, 2.1718)	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(41.9655, 22.7110,
2.1718)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2700
RGB	255, 39, 0
RGB Percent	100%, 15%, 0%
CMY	0.0000, 0.8470, 1.0000
CMYK	0.00, 0.85, 1.00, 0.00
HSL	9°, 100%, 50%
HSV	9°, 100%, 100%
XYZ	41.9655, 22.7110, 2.1718
YIQ	99.1380, 141.2550, 33.6630

Conversions

Conversions Part 2

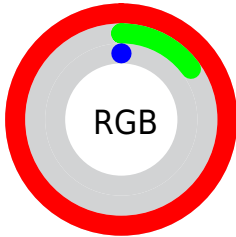
Format	Color
R_{YB}	255, 46, 0
Decimal	16721664
CIE _{Lab}	54.77, 75.68, 67.78
CIE _{LCh}	55, 101.595, 41.851
Yxy	22.7110, 0.6278, 0.3397
Android (android.graphics.Color)	4294911744 (0xFFFF2700)
YUV	99.1380, -48.8750, 136.6910
Hunter-Lab	47.6561, 73.7874, 30.6573

Details

The XYZ color **41.9655, 22.7110, 2.1718** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **42.5996, 56.3194, 103.2325**, and the grayscale version is **11.9919, 12.6164, 13.7393**.

A 20% lighter version of the original color is **47.5243, 32.5235, 8.0478**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.9659, 22.7124, 2.1721**, and if you desaturate by 10%, it is **43.0692, 24.6294, 3.4322**.

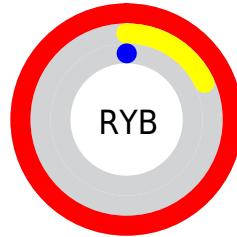
Distribution



Red (100%)

Green (15%)

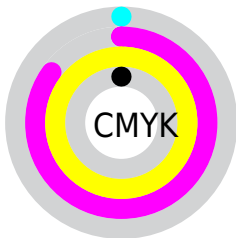
Blue (0%)



Red (100%)

Yellow (18%)

Blue (0%)

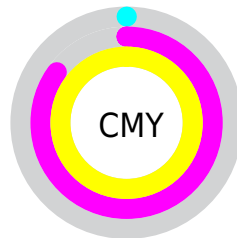


Cyan (0%)

Magenta (85%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9655, 22.7110, 2.1718 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 41.9655, 22.7110, 2.1718 by changing the saturation by 10% instead.


 41.9655, 22.7110,
2.1718


 41.9655, 22.7110,
2.1718


345.3340,
266.2371, 124.9899


 29.2653, 14.3803,
0.6580


 77.4129, 47.9184,
9.5054


 19.4269, 8.3856,
0.0000


 100.8908, 65.5638,
16.1935


 12.0850, 4.3427,
0.0000


 128.6919, 87.0828,
25.4540

 6.8742, 1.8670,
0.0000

 161.1817,
112.8600, 37.7053

 3.4292, 0.5284,
0.0000

 198.7254,
143.2796, 53.3661

 1.3846, 0.0000,
0.0000

 241.6885,


 0.2452, 0.0000,


178.7260, 72.8547


0.0000


 290.4362,
219.5838, 96.5898


 0.0000, 0.0000,
0.0000


 41.9655, 22.7110,
2.1718


 41.9655, 22.7110,
2.1718


 41.9659, 22.7124,
2.1721

 43.0692, 24.6294,
3.4322

 44.8711, 27.5665,
6.0880

 47.4935, 31.6524,
10.5354

 51.0241, 36.9915,
17.0213

 55.5387, 43.6763,
25.7533

61.1049, 51.7906,
36.9131

67.7842, 61.4110,
50.6642

75.6334, 72.6088,
67.1554

84.7054, 85.4508,
86.5245

Harmonies

Analogous

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



50.3201, 22.7110, 14.0891



41.9655, 22.7110, 2.1718



29.0249, 22.7110, 0.0000

Triad

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



41.9655, 22.7110, 2.1718



6.8938, 22.7110, 10.0474



26.3251, 22.7110, 147.8120

Complementary

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



41.9655, 22.7110, 2.1718



42.5996, 56.3194, 103.2325

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.



15.5411, 22.7110, 142.1025



41.9655, 22.7110, 2.1718



6.6112, 22.7110, 39.7056

Square

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



41.9655, 22.7110, 2.1718



10.1573, 22.7110, 1.3550



9.1771, 22.7110, 93.0688



39.4094, 22.7110, 105.1681

Rectangle

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



41.9655, 22.7110, 2.1718



20.8970, 22.7110, 0.0000



9.1771, 22.7110, 93.0688



22.2903, 22.7110, 152.0826

Sweetspot

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



41.9660, 22.7124, 2.1721



67.7845, 61.4111, 50.6641



53.7315, 26.2566, 67.7109



13.8760, 12.2360, 9.5335



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.



41.9660, 22.7124, 2.1721



41.9663, 22.7126, 2.1721



54.8304, 48.4414, 6.4603



18.2337, 18.4356, 18.7417



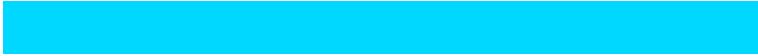
21.9947, 12.0007, 1.1571



2.2040, 1.2934, 0.1335

Inverse Universe

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



42.5996, 56.3194, 103.2325



42.5999, 56.3198, 103.2333



21.6431, 14.4064, 96.2470



18.3041, 19.9799, 23.1417



22.3488, 29.6071, 53.9714



2.2372, 3.0051, 5.2754

Previews

White Background



This preview shows how the XYZ color 41.9655, 22.7110, 2.1718 looks on a white background.

Color Contrast Check

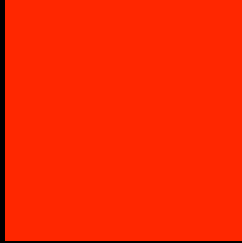
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.9655, 22.7110, 2.1718 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 41.9655, 22.7110, 2.1718

Background



This preview shows how black text looks on a background with the XYZ color 41.9655, 22.7110, 2.1718.



This preview shows how white text looks on a background with the XYZ color 41.9655, 22.7110,

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

41.9655, 22.7110, 2.1718

Protanopia

20.7247, 22.9027, 4.6949

Deuteranopia

23.0595, 22.7742, 3.1805



Tritanopia

42.2218, 22.7617, 3.6815

Trichromacy



Original Color

41.9655, 22.7110, 2.1718

Protanomaly

24.9875, 19.3507, 3.0799

Deuteranomaly

27.2914, 20.0112, 2.4241

Tritanomaly

42.0779, 22.7042, 2.9236

Monochromacy



Original Color

41.9655, 22.7110, 2.1718

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

17.2614, 12.7346, 6.2509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9655, 22.7110, 2.1718 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, 39, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 39, 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, 39, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 39, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.9655, 22.7110, 2.1718 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, 39, 0) }
```


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

```
.border{ border-color:rgb(255, 39, 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, 39, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 39, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 39, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 39, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.9655, 22.7110, 2.1718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 39, 0) }
```

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

```
.background{ background-color: rgb(255, 39,  
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](#).

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