

Converting Colors

XYZ(42.9043, 22.0170, 10.4126)

Have a look what the booklet for
XYZ(42.9043, 22.0170, 10.4126)
contains.

XYZ(42.8945, 22.0086, 10.3748)	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(42.8945, 22.0086,
10.3748)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0554
RGB	255, 5, 84
RGB Percent	100%, 2%, 33%
CMY	0.0000, 0.9801, 0.6706
CMYK	0.00, 0.98, 0.67, 0.00
HSL	341°, 100%, 51%
HSV	341°, 98%, 100%
XYZ	42.8945, 22.0086, 10.3748
YIQ	88.7560, 123.6410, 77.5690

Conversions

Conversions Part 2

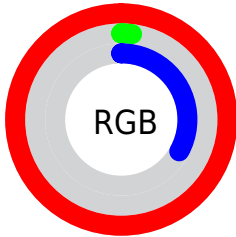
Format	Color
RYB	255, 5, 84
Decimal	16713044
CIELab	54.04, 81.64, 29.40
CIElCh	54, 86.776, 19.806
Yxy	22.0086, 0.5698, 0.2924
Android (android.graphics.Color)	4294903124 (0xFFFF0554)
YUV	88.7560, -2.3447, 145.7960
Hunter-Lab	46.9133, 81.1105, 19.7274

Details

The XYZ color **42.8945, 22.0086, 10.3748** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **43.6663, 74.6895, 53.2238**, and the grayscale version is **9.4357, 9.9270, 10.8106**.

A 20% lighter version of the original color is **49.9355, 31.8771, 25.7113**, and **21.3693, 10.9720, 2.9990** is the 20% darker color. If you saturate the color by 10%, you get **42.7075, 21.8470, 9.6591**, and if you desaturate by 10%, it is **44.0894, 23.1658, 14.5747**.

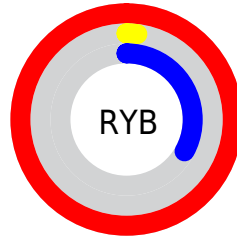
Distribution



Red (100%)

Green (2%)

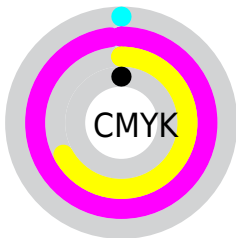
Blue (33%)



Red (100%)

Yellow (2%)

Blue (33%)

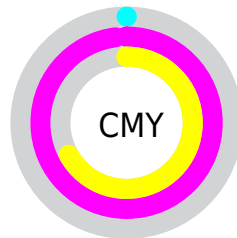


Cyan (0%)

Magenta (98%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (98%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8945, 22.0086, 10.3748 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 42.8945, 22.0086, 10.3748 by changing the saturation by 10% instead.


 42.8945, 22.0086,
10.3748


 42.8945, 22.0086,
10.3748

349.1066,
262.5912, 203.9076


 29.9965, 13.8632,
5.5393


 78.8083, 46.7602,
27.1169

 19.9840, 8.0256,
2.5028


 102.5549, 64.1352,
39.8605


 12.4916, 4.1113,
0.8417


 130.6484, 85.3556,
56.0774

 7.1540, 1.7360,
0.0000

 163.4541,
110.8057, 76.1859

 3.6058, 0.4468,
0.0000

 201.3374,
140.8699, 100.6046

 1.4816, 0.0000,
0.0000

244.6637,

 0.3133, 0.0000,

175.9326, 129.7521

0.0000

293.7983,
216.3782, 164.0469

■ 0.0000, 0.0000,
0.0000

■ 42.8945, 22.0086,
10.3748

■ 42.8945, 22.0086,
10.3748

■ 42.7075, 21.8470,
9.6591

■ 44.0894, 23.1658,
14.5747

■ 45.9806, 25.4241,
19.9032

■ 48.6927, 29.0166,
26.4539

■ 52.3194, 34.1152,
34.3062

■ 56.9411, 40.8658,
43.5315

■ 62.6286, 49.3967,
54.1958

■ 69.4464, 59.8235,
66.3600

■ 77.4533, 72.2522,
80.0817

■ 86.7043, 86.7808,
95.4151

Harmonies

Analogous

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



44.1697, 22.0086, 34.3191



42.8945, 22.0086, 10.3748



34.8539, 22.0086, 2.1992

Triad

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



42.8945, 22.0086, 10.3748



9.9432, 22.0086, 3.6946



17.8856, 22.0086, 119.2538

Complementary

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



42.8945, 22.0086, 10.3748



43.6663, 74.6895, 53.2238

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.



11.3026, 22.0086, 89.0541



42.8945, 22.0086, 10.3748



7.7133, 22.0086, 15.9339

Square

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



42.8945, 22.0086, 10.3748



15.3821, 22.0086, 0.8056



8.1227, 22.0086, 46.0776



27.6456, 22.0086, 112.8413

Rectangle

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



42.8945, 22.0086, 10.3748



27.7840, 22.0086, 0.8196



8.1227, 22.0086, 46.0776



15.2889, 22.0086, 112.5056

Sweetspot

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



42.8950, 22.0100, 10.3751



68.7217, 58.7072, 65.0912



35.9764, 16.5431, 95.9042



14.0670, 11.5804, 12.7954



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.



42.8950, 22.0100, 10.3751



42.7078, 21.8471, 9.6592



42.4465, 23.6289, 2.4692



18.2457, 18.0816, 19.9110



22.3750, 11.4393, 5.3594



2.2256, 1.1326, 0.7694

Inverse Universe

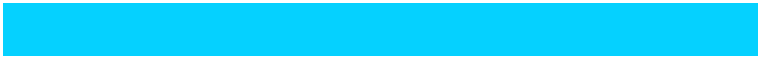
The Inverse Universe completely reimagines the original color for something new.



42.8950, 22.0100, 10.3751



42.7078, 21.8471, 9.6592



40.9576, 52.9412, 102.6672



18.2457, 18.0816, 19.9110



22.3750, 11.4393, 5.3594



2.2256, 1.1326, 0.7694

Previews

White Background



This preview shows how the XYZ color 42.8945, 22.0086, 10.3748 looks on a white background.

Color Contrast Check

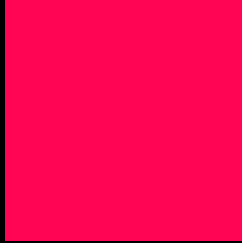
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8945, 22.0086, 10.3748 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 42.8945, 22.0086, 10.3748

Background



This preview shows how black text looks on a background with the XYZ color 42.8945, 22.0086, 10.3748.

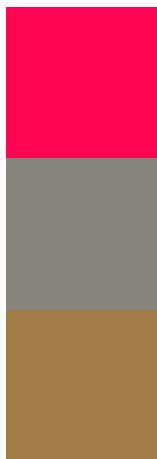


This preview shows how white text looks on a background with the XYZ color 42.8945, 22.0086,

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

42.8945, 22.0086, 10.3748

Protanopia

21.4522, 22.4888, 22.2789

Deuteranopia

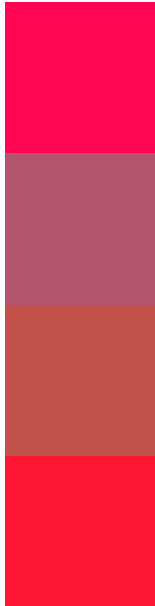
22.6754, 22.2541, 9.2312



Tritanopia

41.6794, 22.3086, 3.3375

Trichromacy



Original Color

42.8945, 22.0086, 10.3748

Protanomaly

24.3689, 17.0661, 16.4777

Deuteranomaly

26.4951, 17.8760, 8.8914

Tritanomaly

41.7552, 21.9139, 5.0467

Monochromacy



Original Color

42.8945, 22.0086, 10.3748

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

15.6278, 10.1038, 10.1434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8945, 22.0086, 10.3748 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, 5, 84)` looks like.

```
.text, #text, p{  
  color:rgb(255, 5, 84)  
}
```

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, 5, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 5, 84) }
```

Border

The CSS property to change the border of an element to XYZ 42.8945, 22.0086, 10.3748 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, 5, 84) }
```


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

```
.border{ border-color:rgb(255, 5, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 5, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 5, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 5, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 5, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.8945, 22.0086, 10.3748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 5, 84) }
```

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

```
.background{ background-color: rgb(255, 5,  
84) }
```

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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