

Converting Colors

XYZ(44.3645, 22.7921, 17.5128)

Have a look what the booklet for
XYZ(44.3645, 22.7921, 17.5128)
contains.

XYZ(44.3355, 22.7715, 17.3878)	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(44.3355, 22.7715,
17.3878)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0F70
RGB	255, 15, 112
RGB Percent	100%, 6%, 44%
CMY	0.0000, 0.9410, 0.5608
CMYK	0.00, 0.94, 0.56, 0.00
HSL	336°, 100%, 53%
HSV	336°, 94%, 100%
XYZ	44.3355, 22.7715, 17.3878
YIQ	97.8180, 111.9030, 81.0470

Conversions

Conversions Part 2

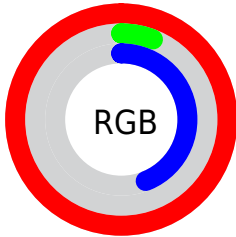
Format	Color
R_{YB}	255, 15, 112
Decimal	16715632
CIE Lab	54.84, 82.44, 13.62
CIE LCh	55, 83.560, 9.384
Yxy	22.7715, 0.5247, 0.2695
Android (android.graphics.Color)	4294905712 (0xFFFF0F70)
YUV	97.8180, 6.9917, 137.8486
Hunter-Lab	47.7195, 82.3327, 11.7998

Details

The XYZ color **44.3355, 22.7715, 17.3878** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **42.1336, 74.0921, 44.4510**, and the grayscale version is **11.5348, 12.1355, 13.2156**.

A 20% lighter version of the original color is **52.6022, 33.4071, 38.3261**, and **22.4400, 11.4580, 6.0299** is the 20% darker color. If you saturate the color by 10%, you get **43.6896, 22.2398, 14.8300**, and if you desaturate by 10%, it is **45.8610, 24.3524, 22.4294**.

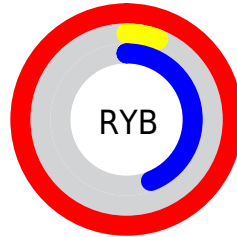
Distribution



Red (100%)

Green (6%)

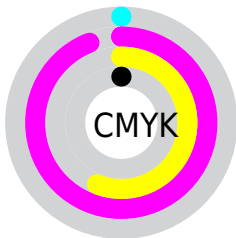
Blue (44%)



Red (100%)

Yellow (6%)

Blue (44%)

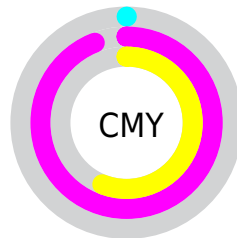


Cyan (0%)

Magenta (94%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (94%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.3355, 22.7715, 17.3878 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 44.3355, 22.7715, 17.3878 by changing the saturation by 10% instead.

 44.3355, 22.7715,
17.3878


 44.3355, 22.7715,
17.3878


354.9047,
266.5492, 249.5165


 31.1334, 14.4249,
10.3465


 80.9656, 48.0179,
39.7911


 20.8528, 8.4168,
5.5207


 105.1243, 65.6864,
55.9902


 13.1283, 4.3628,
2.4919


 133.6658, 87.2310,
76.0789

 7.5945, 1.8785,
0.8358

 166.9557,
113.0361, 100.4758

 3.8862, 0.5354,
0.0000

 205.3591,
143.4861, 129.5995

 1.6380, 0.0000,
0.0000

249.2416,

 0.4170, 0.0000,

178.9653, 163.8685

0.0000

298.9683,
219.8582, 203.7013

■ 0.0000, 0.0000,
0.0000

■ 44.3355, 22.7715,
17.3878

■ 44.3355, 22.7715,
17.3878

■ 43.6896, 22.2398,
14.8300

■ 45.8610, 24.3524,
22.4294

■ 48.1032, 27.1272,
28.4473

■ 51.1646, 31.2912,
35.5066

■ 55.1294, 37.0033,
43.6643

■ 60.0705, 44.4004,
52.9724

66.0530, 53.6044,
63.4788

73.1363, 64.7256,
75.2283

81.3750, 77.8655,
88.2632

90.8199, 93.1185,
102.6235

Harmonies

Analogous

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



42.8994, 22.7715, 47.3769



44.3355, 22.7715, 17.3878



38.4881, 22.7715, 4.4928

Triad

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



44.3355, 22.7715, 17.3878



12.2131, 22.7715, 2.5938



15.9703, 22.7715, 109.4395

Complementary

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



44.3355, 22.7715, 17.3878



42.1336, 74.0921, 44.4510

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.



10.6095, 22.7715, 73.1323



44.3355, 22.7715, 17.3878



8.9082, 22.7715, 10.8453

Square

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



44.3355, 22.7715, 17.3878



18.8737, 22.7715, 0.8462



8.4194, 22.7715, 34.0521



24.6722, 22.7715, 116.5241

Rectangle

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



44.3355, 22.7715, 17.3878



32.0134, 22.7715, 1.7238



8.4194, 22.7715, 34.0521



13.7965, 22.7715, 99.4406

Sweetspot

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



44.3361, 22.7729, 17.3881



70.2379, 60.1512, 70.4929



31.7431, 14.5337, 95.7397



14.3907, 11.8672, 14.0156



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.



44.3361, 22.7729, 17.3881



43.6897, 22.2399, 14.8301



41.9289, 22.4994, 2.5868



18.3135, 18.1087, 20.2681



22.8980, 11.6485, 8.1133



2.2819, 1.1551, 1.0658

Inverse Universe

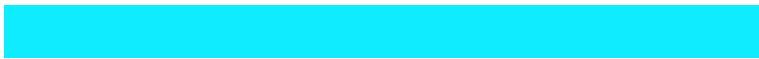
The Inverse Universe completely reimagines the original color for something new.



44.3361, 22.7729, 17.3881



43.6897, 22.2399, 14.8301



47.9572, 66.7409, 104.9621



18.3135, 18.1087, 20.2681



22.8980, 11.6485, 8.1133



2.2819, 1.1551, 1.0658

Previews

White Background



This preview shows how the XYZ color 44.3355, 22.7715, 17.3878 looks on a white background.

Color Contrast Check

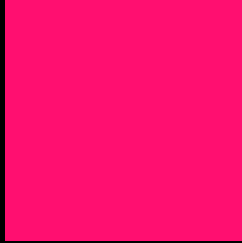
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.3355, 22.7715, 17.3878 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 44.3355, 22.7715, 17.3878

Background



This preview shows how black text looks on a background with the XYZ color 44.3355, 22.7715, 17.3878.



This preview shows how white text looks on a background with the XYZ color 44.3355, 22.7715,

17.3878.

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

44.3355, 22.7715, 17.3878

Protanopia

23.0953, 23.2012, 37.4434

Deuteranopia

23.4559, 23.0869, 15.5319



Tritanopia

41.5955, 22.8389, 4.6986

Trichromacy



Original Color

44.3355, 22.7715, 17.3878



Protanomaly

25.6197, 17.9290, 28.4959



Deuteranomaly

27.3634, 18.7519, 15.5419



Tritanomaly

42.1832, 22.5144, 7.7526

Monochromacy



Original Color

44.3355, 22.7715, 17.3878



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

18.0329, 12.0821, 14.2136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3355, 22.7715, 17.3878 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, 15, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 15, 112)  
}
```

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, 15, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 112) }
```

Border

The CSS property to change the border of an element to XYZ 44.3355, 22.7715, 17.3878 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, 15, 112) }
```


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

```
.border{ border-color:rgb(255, 15, 112) }
```

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

Here you see how a box with a 4 pixel rgb(255, 15, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 15,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3355, 22.7715, 17.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 112) }
```

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

```
.background{ background-color: rgb(255, 15,  
112) }
```

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