

Converting Colors

XYZ(45.5184, 21.8650, 74.4443)

Have a look what the booklet for
XYZ(45.5184, 21.8650, 74.4443)
contains.

XYZ(45.5437, 21.8769, 74.4953)	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(45.5437, 21.8769,
74.4953)**

Conversions

Conversions Part 1

Format	Color
Hex	E300E3
RGB	227, 0, 227
RGB Percent	89%, 0%, 89%
CMY	0.1098, 0.9999, 0.1098
CMYK	0.00, 1.00, 0.00, 0.11
HSL	300°, 100%, 45%
HSV	300°, 100%, 89%
XYZ	45.5437, 21.8769, 74.4953
YIQ	93.7510, 62.4250, 118.7210

Conversions

Conversions Part 2

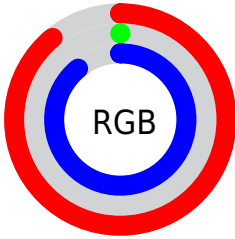
Format	Color
R_{YB}	227, 0, 227
Decimal	14876899
CIE _{Lab}	53.90, 89.98, -55.72
CIE _{LCh}	54, 105.840, 328.233
Yxy	21.8769, 0.3209, 0.1542
Android (android.graphics.Color)	4293066979 (0xFFE300E3)
YUV	93.7510, 65.6918, 116.8594
Hunter-Lab	46.7727, 91.9572, -61.6907

Details

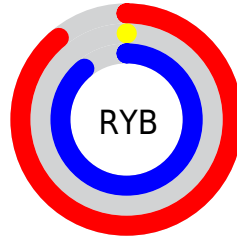
The XYZ color **45.5437, 21.8769, 74.4953** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **27.4701, 54.9394, 9.1575**, and the grayscale version is **10.4251, 10.9680, 11.9442**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **23.2870, 11.1558, 39.4540** is the 20% darker color. If you saturate the color by 10%, you get **45.5443, 21.8772, 74.4956**, and if you desaturate by 10%, it is **45.8454, 22.4794, 74.5961**.

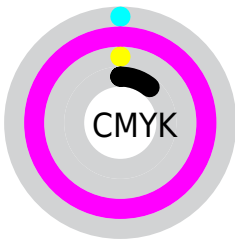
Distribution



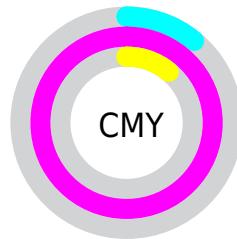
- Red (89%)
- Green (0%)
- Blue (89%)



- Red (89%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)




- Cyan (11%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5437, 21.8769, 74.4953 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 45.5437, 21.8769, 74.4953 by changing the saturation by 10% instead.

 45.5437, 21.8769,
74.4953


 45.5437, 21.8769,
74.4953

359.7179,
261.9027, 495.3901


 32.0890, 13.7665,
54.7003

 82.7677, 46.5425,
127.3382

 21.5854, 7.9584,
38.7648


 107.2678, 63.8664,
161.2232

 13.6674, 4.0684,
26.2704


 136.1803, 85.0303,
200.6418

 7.9699, 1.7119,
16.7985

 169.8707,
110.4185, 246.0128

 4.1273, 0.4313,
9.9305

 208.7043,
140.4154, 297.7546

 1.7744, 0.0000,
5.2479

253.0465,

 0.5022, 0.0000,

175.4055, 356.2857

2.3322

303.2625,
215.7732, 422.0247

■ 0.0000, 0.0000,
0.7491

■ 0.0000, 0.0000,
0.0000

■ 45.5437, 21.8769,
74.4953

■ 45.5437, 21.8769,
74.4953

■ 45.5443, 21.8772,
74.4956

■ 45.8454, 22.4794,
74.5961

■ 46.4992, 23.7871,
74.8141

■ 47.6194, 26.0275,
75.1876

■ 49.2711, 29.3308,
75.7382

■ 51.5090, 33.8066,
76.4843

■ 54.3813, 39.5511,
77.4418

■ 57.9309, 46.6504,
78.6251

■ 62.1972, 55.1829,
80.0473

■ 67.2165, 65.2215,
81.7205

Harmonies

Analogous

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



32.9782, 21.8769, 132.9373



45.5437, 21.8769, 74.4953



51.2890, 21.8769, 25.8089

Triad

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



45.5437, 21.8769, 74.4953



21.4766, 21.8769, 0.0000



6.8453, 21.8769, 67.5528

Complementary

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



45.5437, 21.8769, 74.4953



27.4701, 54.9394, 9.1575

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.



5.6804, 21.8769, 21.9365



45.5437, 21.8769, 74.4953



12.0540, 21.8769, 0.0000

Square

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



45.5437, 21.8769, 74.4953



34.5961, 21.8769, 0.2055



7.1726, 21.8769, 3.7014



11.2583, 21.8769, 126.9394

Rectangle

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



45.5437, 21.8769, 74.4953



49.3251, 21.8769, 9.0854



7.1726, 21.8769, 3.7014



6.1517, 21.8769, 49.3468

Sweetspot

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



45.5446, 21.8779, 74.4957



75.3100, 60.5201, 102.3197



13.8661, 5.5470, 73.0141



15.6777, 12.0703, 21.7534



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.



45.5446, 21.8779, 74.4957



59.2898, 28.4799, 96.9788



34.6892, 17.5358, 17.3321



14.9952, 14.6153, 18.1750



26.5611, 12.7587, 43.4454



1.9628, 0.9428, 3.2105

Inverse Universe

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



45.5446, 21.8779, 74.4957



59.2898, 28.4799, 96.9788



30.4797, 56.1432, 25.0060



14.9952, 14.6153, 18.1750



26.5611, 12.7587, 43.4454



1.9628, 0.9428, 3.2105

Previews

White Background



This preview shows how the XYZ color 45.5437, 21.8769, 74.4953 looks on a white background.

Color Contrast Check

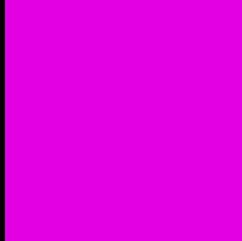
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.5437, 21.8769, 74.4953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

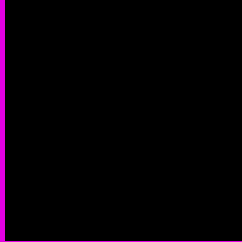
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5437, 21.8769, 74.4953

Background



This preview shows how black text looks on a background with the XYZ color 45.5437, 21.8769, 74.4953.



This preview shows how white text looks on a background with the XYZ color 45.5437, 21.8769,

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

45.5437, 21.8769, 74.4953

Protanopia

26.7298, 22.7701, 97.5940

Deuteranopia

23.2684, 22.6564, 66.0975



Tritanopia

33.0785, 22.1171, 13.3521

Trichromacy



Original Color

45.5437, 21.8769, 74.4953



Protanomaly

26.1601, 15.8406, 88.0650



Deuteranomaly

25.2639, 16.1540, 68.1161



Tritanomaly

35.3345, 19.8149, 27.9489

Monochromacy



Original Color

45.5437, 21.8769, 74.4953



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.6537, 10.9355, 26.7715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5437, 21.8769, 74.4953 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(227, 0, 227)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 227)  
}
```

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(227, 0, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 227) }
```

Border

The CSS property to change the border of an element to XYZ 45.5437, 21.8769, 74.4953 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(227, 0, 227) }
```


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

```
.border{ border-color:rgb(227, 0, 227) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 227);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5437, 21.8769, 74.4953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 227) }
```

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

```
.background{ background-color: rgb(227, 0,  
227) }
```

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