

Converting Colors

XYZ(43.7091, 21.4886, 96.4517)

Have a look what the booklet for
XYZ(43.7091, 21.4886, 96.4517)
contains.

| | |
|--|----|
| XYZ(43.6450, 21.4436, 96.4464) | 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(43.6450, 21.4436,
96.4464)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | CC26FF |
| RGB | 204, 38, 255 |
| RGB Percent | 80%, 15%, 100% |
| CMY | 0.2000, 0.8510, 0.0000 |
| CMYK | 0.20, 0.85, 0.00, 0.00 |
| HSL | 286°, 100%, 57% |
| HSV | 286°, 85%, 100% |
| XYZ | 43.6450, 21.4436, 96.4464 |
| YIQ | 112.3720, 29.2790, 102.6790 |

Conversions

Conversions Part 2

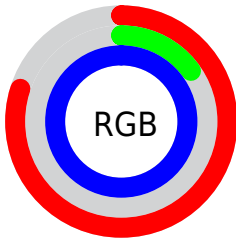
| Format | Color |
|-------------------------------------|--|
| RYB | 204, 38, 255 |
| Decimal | 13379327 |
| CIELab | 53.43, 86.47, -72.37 |
| CIElCh | 53, 112.758, 320.075 |
| Yxy | 21.4436, 0.2702, 0.1327 |
| Android (android.graphics.Color) | 4291569407 (0xFFCC26FF) |
| YUV | 112.3720, 70.3156, 80.3578 |
| Hunter-Lab | 46.3072, 87.2003, -91.0712 |

Details

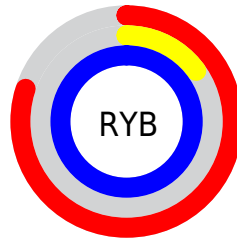
The XYZ color **43.6450, 21.4436, 96.4464** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **40.2301, 73.7840, 13.9556**, and the grayscale version is **15.3056, 16.1027, 17.5358**.

A 20% lighter version of the original color is **64.6526, 39.2051, 98.7675**, and **21.5796, 9.9605, 53.6085** is the 20% darker color. If you saturate the color by 10%, you get **41.4790, 19.5025, 96.1859**, and if you desaturate by 10%, it is **46.4328, 24.5324, 96.8957**.

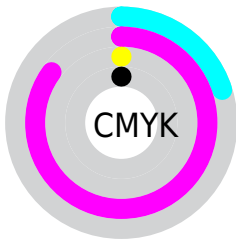
Distribution



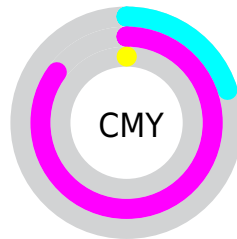
- Red (80%)
- Green (15%)
- Blue (100%)



- Red (80%)
- Yellow (15%)
- Blue (100%)



- Cyan (20%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (85%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.6450, 21.4436, 96.4464 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 43.6450, 21.4436, 96.4464 by changing the saturation by 10% instead.

 43.6450, 21.4436,
96.4464

 43.6450, 21.4436,
96.4464


352.1344,
259.6267, 569.8874


 30.5882, 13.4486,
72.7359


 79.9330, 45.8246,
158.2741


 20.4358, 7.7382,
53.2695


 103.8948, 62.9795,
197.2283

 12.8223, 3.9279,
37.6288


 132.2225, 83.9565,
242.1009

 7.3825, 1.6333,
25.3951

 165.2812,
109.1400, 293.3103

 3.7509, 0.3799,
16.1500

 203.4364,
138.9143, 351.2751

 1.5622, 0.0000,
9.4748

247.0535,

 0.3676, 0.0000,

173.6640, 416.4139

4.9512

296.4976,
213.7733, 489.1451

■ 0.0000, 0.0000,
2.1604

■ 0.0000, 0.0000,
0.6514

■ 43.6450, 21.4436,
96.4464

■ 43.6450, 21.4436,
96.4464

■ 41.4790, 19.5025,
96.1859

■ 46.4328, 24.5324,
96.8957

■ 40.5740, 18.8316,
96.1041

■ 49.9385, 28.9630,
97.5661

■ 54.2432, 34.8958,
98.4844

■ 59.4158, 42.4678,
99.6733

65.5176, 51.8002,
101.1530

72.6039, 63.0026,
102.9418

80.7254, 76.1759,
105.0565

89.9294, 91.4134,
107.5125

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



29.3559, 21.4436, 156.3085



43.6450, 21.4436, 96.4464



52.5380, 21.4436, 36.6661

Triad

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



43.6450, 21.4436, 96.4464



24.6156, 21.4436, 0.0000



5.4977, 21.4436, 54.1067

Complementary

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



43.6450, 21.4436, 96.4464



40.2301, 73.7840, 13.9556

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.



5.0689, 21.4436, 13.7231



43.6450, 21.4436, 96.4464



13.4524, 21.4436, 0.0000

Square

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



43.6450, 21.4436, 96.4464



39.0298, 21.4436, 0.3951



7.3275, 21.4436, 1.4443



8.8834, 21.4436, 119.2951

Rectangle

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



43.6450, 21.4436, 96.4464



52.5183, 21.4436, 13.6038



7.3275, 21.4436, 1.4443



5.0731, 21.4436, 36.8969

Sweetspot

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



43.6460, 21.4444, 96.4465



71.9212, 61.9099, 102.7669



22.6988, 15.3307, 96.3705



14.8510, 12.3871, 21.8582



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.



43.6460, 21.4444, 96.4465



40.5740, 18.8316, 96.1041



52.4467, 26.8520, 57.5239



18.3509, 18.0726, 22.7711



21.3395, 9.9114, 50.2230



2.1738, 1.0145, 4.8945

Inverse Universe

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



43.7366, 23.3679, 11.6572



42.0537, 21.5855, 6.2151



38.5025, 72.7094, 22.1887



18.1843, 18.0570, 19.5876



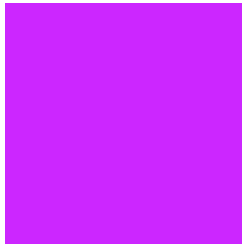
22.0214, 11.2979, 3.4973



2.1842, 1.1161, 0.5516

Previews

White Background



This preview shows how the XYZ color 43.6450, 21.4436, 96.4464 looks on a white background.

Color Contrast Check

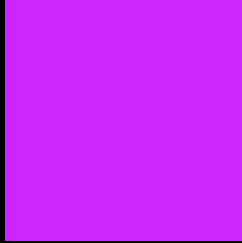
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.6450, 21.4436, 96.4464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

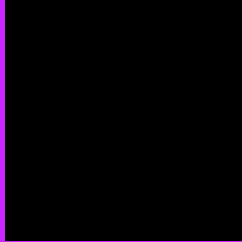
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 43.6450, 21.4436, 96.4464

Background



This preview shows how black text looks on a background with the XYZ color 43.6450, 21.4436, 96.4464.



This preview shows how white text looks on a background with the XYZ color 43.6450, 21.4436,

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

43.6450, 21.4436, 96.4464

Protanopia

25.9508, 21.9926, 97.4850

Deuteranopia

22.1255, 21.6224, 77.1361



Tritanopia

27.4034, 21.1378, 17.9649

Trichromacy



Original Color

43.6450, 21.4436, 96.4464



Protanomaly

26.7882, 17.5355, 96.5805



Deuteranomaly

22.5314, 16.1783, 82.8241



Tritanomaly

31.0554, 19.4940, 37.2479

Monochromacy



Original Color

43.6450, 21.4436, 96.4464



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

21.6264, 15.1971, 36.9155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6450, 21.4436, 96.4464 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(204, 38, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 38, 255)  
}
```

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(204, 38, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 38, 255) }
```

Border

The CSS property to change the border of an element to XYZ 43.6450, 21.4436, 96.4464 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(204, 38, 255) }
```


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

```
.border{ border-color:rgb(204, 38, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 38, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 38, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 38, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 38,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6450, 21.4436, 96.4464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 38, 255) }
```

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

```
.background{ background-color: rgb(204, 38,  
255) }
```

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