

# Converting Colors

XYZ(43.6642, 21.9294, 96.5392)

Have a look what the booklet for  
XYZ(43.6642, 21.9294, 96.5392)  
contains.

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# Color

**XYZ(43.6951, 21.9495,  
96.5414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CB2FFF
RGB	203, 47, 255
RGB Percent	80%, 18%, 100%
CMY	0.2039, 0.8157, 0.0000
CMYK	0.20, 0.82, 0.00, 0.00
HSL	285°, 100%, 59%
HSV	285°, 82%, 100%
XYZ	43.6951, 21.9495, 96.5414
YIQ	117.3560, 26.2080, 97.7600

# Conversions

## Conversions Part 2

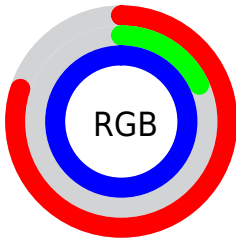
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 47, 255
Decimal	13316095
CIE Lab	53.97, 84.28, -71.49
CIE LCh	54, 110.523, 319.694
Yxy	21.9495, 0.2694, 0.1353
Android (android.graphics.Color)	4291506175 (0xFFFCB2FFF)
YUV	117.3560, 67.8585, 75.1098
Hunter-Lab	46.8503, 84.4907, -89.3799

# Details

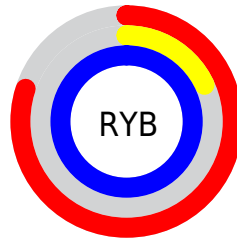
The XYZ color **43.6951, 21.9495, 96.5414** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **41.4190, 74.3780, 14.8632**, and the grayscale version is **16.8105, 17.6860, 19.2600**.

A 20% lighter version of the original color is **65.1951, 40.2903, 98.9484**, and **21.4057, 9.8709, 53.6004** is the 20% darker color. If you saturate the color by 10%, you get **41.2562, 19.5952, 96.2156**, and if you desaturate by 10%, it is **46.8016, 25.5307, 97.0690**.

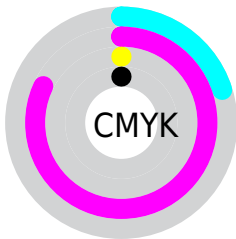
# Distribution



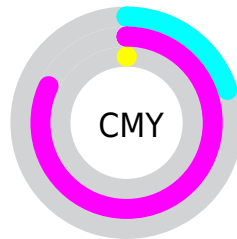
- Red (80%)
- Green (18%)
- Blue (100%)



- Red (80%)
- Yellow (18%)
- Blue (100%)



- Cyan (20%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (82%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6951, 21.9495, 96.5414 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 43.6951, 21.9495, 96.5414 by changing the saturation by 10% instead.




 43.6951, 21.9495,  
96.5414


 43.6951, 21.9495,  
96.5414

352.3359,  
262.2824, 570.1978

 30.6278, 13.8198,  
72.8146


 80.0079, 46.6625,  
158.4062


 20.4660, 7.9954,  
53.3335


 103.9841, 64.0146,  
197.3814


 12.8445, 4.0920,  
37.6795


 132.3274, 85.2096,  
242.2763

 7.3978, 1.7252,  
25.4341

 165.4029,  
110.6320, 293.5097

 3.7606, 0.4399,  
16.1788

 203.5762,  
140.6661, 351.5000

 1.5676, 0.0000,  
9.4951

247.2126,

 0.3712, 0.0000,

175.6962, 416.6657

4.9643

296.6773,  
216.1069, 489.4255

■ 0.0000, 0.0000,  
2.1679

■ 0.0000, 0.0000,  
0.6558

■ 43.6951, 21.9495,  
96.5414

■ 43.6951, 21.9495,  
96.5414

■ 41.2562, 19.5952,  
96.2156

■ 46.8016, 25.5307,  
97.0690

■ 39.5993, 18.3291,  
96.0585

■ 50.6640, 30.5175,  
97.8279

■ 55.3590, 37.0612,  
98.8435

■ 60.9527, 45.2927,  
100.1375

67.5041, 55.3288,  
101.7294

75.0670, 67.2759,  
103.6368

83.6910, 81.2321,  
105.8761

93.4222, 97.2885,  
108.4624

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.



29.5848, 21.9495, 154.4163



43.6951, 21.9495, 96.5414



52.5400, 21.9495, 37.6822

# Triad

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



43.6951, 21.9495, 96.5414



25.2405, 21.9495, 0.0000



5.8623, 21.9495, 53.5705

# Complementary

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



43.6951, 21.9495, 96.5414



41.4190, 74.3780, 14.8632

# 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.



5.4553, 21.9495, 13.9686



43.6951, 21.9495, 96.5414



14.0487, 21.9495, 0.0000

# Square

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



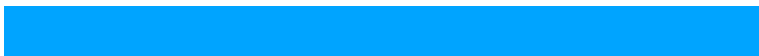
43.6951, 21.9495, 96.5414



39.4929, 21.9495, 0.6133



7.8047, 21.9495, 1.6159



9.2653, 21.9495, 117.1323



# Rectangle

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



43.6951, 21.9495, 96.5414



52.6189, 21.9495, 14.4579



7.8047, 21.9495, 1.6159



5.4379, 21.9495, 36.7527

# Sweetspot

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



43.6961, 21.9503, 96.5415



73.1309, 64.1875, 103.1428



23.6847, 16.7488, 96.5923



15.0701, 12.8161, 21.9294



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.



43.6961, 21.9503, 96.5415



39.9772, 18.6061, 96.0920



53.0364, 27.6053, 59.0337



18.3231, 18.0583, 22.7698



20.8354, 9.6515, 50.1994



2.1284, 0.9912, 4.8924



# Inverse Universe

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



44.5089, 24.1943, 14.1290



42.3258, 21.7829, 7.3745



39.1848, 73.0254, 23.8354



18.1956, 18.0616, 19.6473



22.0784, 11.3207, 3.7973

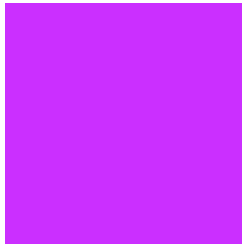


2.1912, 1.1188, 0.5882



# Previews

## White Background



This preview shows how the XYZ color 43.6951, 21.9495, 96.5414 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

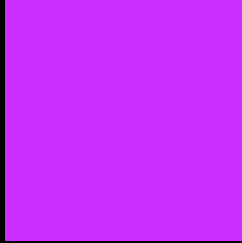
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 43.6951, 21.9495, 96.5414 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

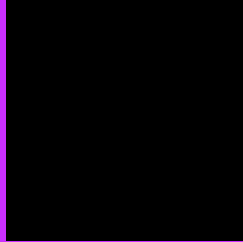
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 43.6951, 21.9495, 96.5414

## Background



This preview shows how black text looks on a background with the XYZ color 43.6951, 21.9495, 96.5414.



This preview shows how white text looks on a background with the XYZ color 43.6951, 21.9495,



# 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

43.6951, 21.9495, 96.5414

### Protanopia

26.3385, 22.3795, 97.5392

### Deuteranopia

22.8168, 22.3287, 79.4512



## Tritanopia

27.6436, 21.6983, 18.9509

# Trichromacy



## Original Color

43.6951, 21.9495, 96.5414



## Protanomaly

27.6915, 18.5361, 96.7261



## Deuteranomaly

23.2059, 17.0545, 84.5068



## Tritanomaly

31.3666, 20.1973, 38.3217

# Monochromacy



## Original Color

43.6951, 21.9495, 96.5414



## Achromatopsia

16.9083, 17.7888, 19.3720



## Achromatomaly

23.0149, 16.7402, 38.5774

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6951, 21.9495, 96.5414 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(203, 47, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 47, 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(203, 47, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 47, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6951, 21.9495, 96.5414 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(203, 47, 255) }
```



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

```
.border{ border-color:rgb(203, 47, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 47, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 47, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 47, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 47,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6951, 21.9495, 96.5414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 47, 255) }
```

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

```
.background{ background-color: rgb(203, 47,  
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](#).

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