

# Converting Colors

XYZ(43.5632, 20.9379, 76.3194)

Have a look what the booklet for  
XYZ(43.5632, 20.9379, 76.3194)  
contains.

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# Color

**XYZ(43.5832, 20.9469,  
76.6090)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB08E6
RGB	219, 8, 230
RGB Percent	86%, 3%, 90%
CMY	0.1412, 0.9685, 0.0980
CMYK	0.05, 0.97, 0.00, 0.10
HSL	297°, 93%, 47%
HSV	297°, 97%, 90%
XYZ	43.5832, 20.9469, 76.6090
YIQ	96.3970, 54.4940, 113.7740

# Conversions

## Conversions Part 2

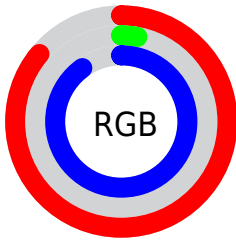
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 8, 230
Decimal	14354662
CIE <sub>Lab</sub>	52.89, 88.62, -59.11
CIE <sub>LCh</sub>	53, 106.521, 326.298
Yxy	20.9469, 0.3088, 0.1484
Android (android.graphics.Color)	4292544742 (0xFFDB08E6)
YUV	96.3970, 65.8663, 107.5228
Hunter-Lab	45.7678, 89.8862, -67.2059

# Details

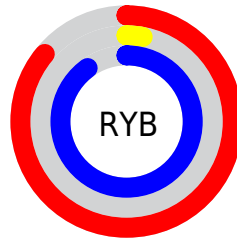
The XYZ color **43.5832, 20.9469, 76.6090** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **28.6100, 56.7502, 9.6765**, and the grayscale version is **11.0546, 11.6303, 12.6654**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **21.8409, 10.3881, 40.3891** is the 20% darker color. If you saturate the color by 10%, you get **43.3774, 20.7119, 76.5748**, and if you desaturate by 10%, it is **44.3318, 21.9324, 76.7601**.

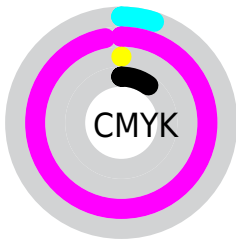
# Distribution



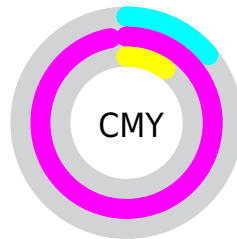
- Red (86%)
- Green (3%)
- Blue (90%)



- Red (86%)
- Yellow (3%)
- Blue (90%)



- Cyan (5%)
- Magenta (97%)
- Yellow (0%)
- Black (10%)




- Cyan (14%)
- Magenta (97%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5832, 20.9469, 76.6090 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 43.5832, 20.9469, 76.6090 by changing the saturation by 10% instead.




 43.5832, 20.9469,  
76.6090

 43.5832, 20.9469,  
76.6090


351.8857,  
256.9962, 502.8321


 30.5395, 13.0852,  
56.4224


 79.8404, 44.9991,  
130.3554


 20.3985, 7.4872,  
40.1354


 103.7846, 61.9585,  
164.7522


 12.7950, 3.7686,  
27.3295


 132.0931, 82.7191,  
204.7228

 7.3636, 1.5450,  
17.5863

 165.1311,  
107.6655, 250.6858

 3.7388, 0.3201,  
10.4870

 203.2640,  
137.1820, 303.0597

 1.5555, 0.0000,  
5.6132

246.8571,

 0.3631, 0.0000,

171.6530, 362.2630

2.5464

296.2759,  
211.4629, 428.7143

■ 0.0000, 0.0000,  
0.8646

■ 0.0000, 0.0000,  
0.0000

■ 43.5832, 20.9469,  
76.6090

■ 43.5832, 20.9469,  
76.6090

■ 43.3774, 20.7119,  
76.5748

■ 44.3318, 21.9324,  
76.7601

■ 45.5080, 23.7706,  
77.0529

■ 47.1922, 26.6212,  
77.5143

■ 49.4474, 30.6103,  
78.1654

■ 52.3275, 35.8458,  
79.0242

■ 55.8802, 42.4229,  
80.1065

■ 60.1485, 50.4276,  
81.4266

■ 65.1718, 59.9389,  
82.9977

■ 70.9866, 71.0297,  
84.8319

# Harmonies

## Analogous

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



30.9906, 20.9469, 133.9007



43.5832, 20.9469, 76.6090



49.8579, 20.9469, 27.0033

# Triad

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



43.5832, 20.9469, 76.6090



21.3251, 20.9469, 0.0000



6.2162, 20.9469, 62.2259

# Complementary

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



43.5832, 20.9469, 76.6090



28.6100, 56.7502, 9.6765

# 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.



5.2688, 20.9469, 19.0707



43.5832, 20.9469, 76.6090



11.8455, 20.9469, 0.0000

# Square

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



43.5832, 20.9469, 76.6090



34.3214, 20.9469, 0.1799



6.8748, 20.9469, 2.8920



10.2301, 20.9469, 121.4167



# Rectangle

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



43.5832, 20.9469, 76.6090



48.3676, 20.9469, 9.5576



6.8748, 20.9469, 2.8920



5.6125, 20.9469, 44.7256

# Sweetspot

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



43.5841, 20.9478, 76.6094



74.4888, 60.8597, 102.4289



14.6185, 6.2351, 75.2962



15.4468, 12.0945, 21.7703



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.



43.5841, 20.9478, 76.6094



54.7933, 26.1619, 96.7696



36.7573, 18.6121, 22.8142



14.9208, 14.5769, 18.1715



24.5893, 11.7422, 43.3536



1.8389, 0.8790, 3.2047



# Inverse Universe

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



32.8382, 17.0445, 2.1765



41.3103, 21.2881, 2.3003



31.0998, 57.7266, 23.6672



14.4058, 14.3795, 15.0713



18.5235, 9.5436, 1.1198



1.3791, 0.7093, 0.1368



# Previews

## White Background



This preview shows how the XYZ color 43.5832, 20.9469, 76.6090 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

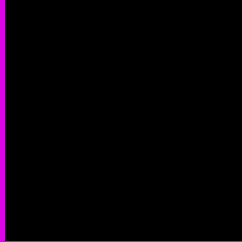
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 43.5832, 20.9469, 76.6090**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.5832, 20.9469, 76.6090.



This preview shows how white text looks on a background with the XYZ color 43.5832, 20.9469,



# 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

43.5832, 20.9469, 76.6090

### Protanopia

25.7286, 21.6930, 97.4389

### Deuteranopia

22.1637, 21.4530, 67.9384



## Tritanopia

30.7157, 21.0128, 13.7462

# Trichromacy



## Original Color

43.5832, 20.9469, 76.6090



## Protanomaly

24.8325, 15.2480, 88.8231



## Deuteranomaly

23.9672, 15.5542, 70.1457



## Tritanomaly

33.0212, 18.8314, 28.6825

# Monochromacy



## Original Color

43.5832, 20.9469, 76.6090



## Achromatopsia

11.1181, 11.6971, 12.7381



## Achromatomaly

17.9287, 11.3738, 28.0385

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.5832, 20.9469, 76.6090 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(219, 8, 230)` looks like.

```
.text, #text, p{  
    color:rgb(219, 8, 230)  
}
```

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(219, 8, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 8, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 43.5832, 20.9469, 76.6090 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(219, 8, 230) }
```



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

```
.border{ border-color:rgb(219, 8, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 8, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 8, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 8, 230);  
box-shadow:4px 4px 4px 4px rgb(219, 8,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.5832, 20.9469, 76.6090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 8, 230) }
```

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

```
.background{ background-color: rgb(219, 8,  
230) }
```

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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