

Converting Colors

XYZ(43.7577, 21.3493, 56.6541)

Have a look what the booklet for
XYZ(43.7577, 21.3493, 56.6541)
contains.

XYZ(43.7040, 21.3259, 56.4564)	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(43.7040, 21.3259,
56.4564)**

Conversions

Conversions Part 1

Format	Color
Hex	E800C8
RGB	232, 0, 200
RGB Percent	91%, 0%, 78%
CMY	0.0902, 0.9998, 0.2157
CMYK	0.00, 1.00, 0.14, 0.09
HSL	308°, 100%, 45%
HSV	308°, 100%, 91%
XYZ	43.7040, 21.3259, 56.4564
YIQ	92.1680, 74.0720, 111.3840

Conversions

Conversions Part 2

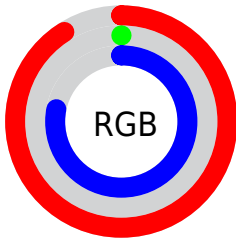
Format	Color
R_{YB}	232, 0, 200
Decimal	15204552
CIE _{Lab}	53.30, 87.19, -41.18
CIE _{LCh}	53, 96.432, 334.717
Yxy	21.3259, 0.3597, 0.1755
Android (android.graphics.Color)	4293394632 (0xFFE800C8)
YUV	92.1680, 53.1612, 122.6327
Hunter-Lab	46.1800, 88.1146, -40.1578

Details

The XYZ color **43.7040, 21.3259, 56.4564** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **29.1186, 57.8185, 10.9949**, and the grayscale version is **10.0863, 10.6116, 11.5561**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **21.9054, 10.7023, 27.6993** is the 20% darker color. If you saturate the color by 10%, you get **43.7037, 21.3258, 56.4531**, and if you desaturate by 10%, it is **44.3936, 22.0998, 58.5514**.

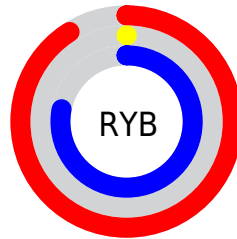
Distribution



Red (91%)

Green (0%)

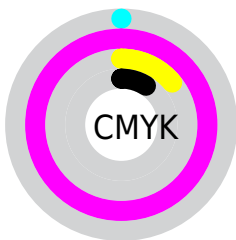
Blue (78%)



Red (91%)

Yellow (0%)

Blue (78%)

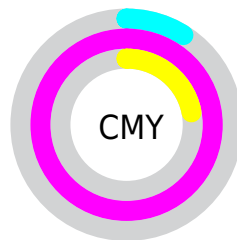


Cyan (0%)

Magenta (100%)

Yellow (14%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7040, 21.3259, 56.4564 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 43.7040, 21.3259, 56.4564 by changing the saturation by 10% instead.

 43.7040, 21.3259,
56.4564

 43.7040, 21.3259,
56.4564

352.3717,
259.0054, 428.8458


 30.6348, 13.3624,
40.1625


 80.0213, 45.6293,
101.1640


 20.4714, 7.6786,
27.3505


 104.0000, 62.7380,
130.4148


 12.8484, 3.8900,
17.6019


 132.3460, 83.6639,
164.8217

 7.4005, 1.6122,
10.4981

 165.4245,
108.7915, 204.8031

 3.7624, 0.3658,
5.6205

 203.6010,
138.5050, 250.7777

 1.5686, 0.0000,
2.5507

247.2408,

 0.3718, 0.0000,

173.1889, 303.1640

0.8668

296.7092,
213.2276, 362.3805

■ 0.0000, 0.0000,
0.0000

■ 43.7040, 21.3259,
56.4564

■ 43.7040, 21.3259,
56.4564

■ 43.7037, 21.3258,
56.4531

■ 44.3936, 22.0998,
58.5514

■ 45.4627, 23.6204,
60.8116

■ 47.0301, 26.1249,
63.2771

■ 49.1647, 29.7510,
65.9709

■ 51.9243, 34.6144,
68.9126

■ 55.3597, 40.8165,
72.1194

■ 59.5164, 48.4483,
75.6065

■ 64.4359, 57.5925,
79.3882

■ 70.1565, 68.3258,
83.4773

Harmonies

Analogous

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



33.6306, 21.3259, 106.8613



43.7040, 21.3259, 56.4564



46.8016, 21.3259, 18.8970

Triad

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



43.7040, 21.3259, 56.4564



18.6978, 21.3259, 0.0000



8.0372, 21.3259, 72.2088

Complementary

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



43.7040, 21.3259, 56.4564



29.1186, 57.8185, 10.9949

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.



6.3253, 21.3259, 28.1573



43.7040, 21.3259, 56.4564



11.0194, 21.3259, 0.8837

Square

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



43.7040, 21.3259, 56.4564



29.8621, 21.3259, 0.3292



7.1970, 21.3259, 6.5351



12.9888, 21.3259, 120.1701

Rectangle

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



43.7040, 21.3259, 56.4564



43.8408, 21.3259, 6.7534



7.1970, 21.3259, 6.5351



7.1560, 21.3259, 55.5522

Sweetspot

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



43.7048, 21.3270, 56.4568



73.6571, 59.8589, 93.6154



15.1302, 6.1180, 76.7280



15.2758, 11.9095, 19.6368



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.



43.7048, 21.3270, 56.4568



54.1346, 26.4178, 69.8318



34.9228, 17.8142, 10.2116



14.9051, 14.5792, 17.7006



24.2973, 11.8532, 31.5244



1.8192, 0.8854, 2.4544

Inverse Universe

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



43.7048, 21.3270, 56.4568



54.1346, 26.4178, 69.8318



34.1198, 59.8189, 37.3307



14.9051, 14.5792, 17.7006



24.2973, 11.8532, 31.5244



1.8192, 0.8854, 2.4544

Previews

White Background



This preview shows how the XYZ color 43.7040, 21.3259, 56.4564 looks on a white background.

Color Contrast Check

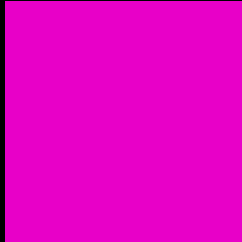
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.7040, 21.3259, 56.4564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

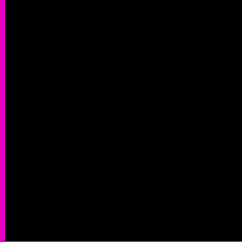
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 43.7040, 21.3259, 56.4564

Background



This preview shows how black text looks on a background with the XYZ color 43.7040, 21.3259, 56.4564.



This preview shows how white text looks on a background with the XYZ color 43.7040, 21.3259,

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

43.7040, 21.3259, 56.4564

Protanopia

26.3799, 22.4008, 97.5412

Deuteranopia

22.6220, 22.0724, 50.6451



Tritanopia

34.1761, 21.5886, 10.5494

Trichromacy



Original Color

43.7040, 21.3259, 56.4564



Protanomaly

24.5461, 15.1802, 80.2336



Deuteranomaly

25.2194, 16.2699, 51.6804



Tritanomaly

35.9578, 19.7951, 21.6643

Monochromacy



Original Color

43.7040, 21.3259, 56.4564



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

16.9884, 10.6063, 22.6246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7040, 21.3259, 56.4564 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(232, 0, 200)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 200)  
}
```

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(232, 0, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 200) }
```

Border

The CSS property to change the border of an element to XYZ 43.7040, 21.3259, 56.4564 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(232, 0, 200) }
```


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

```
.border{ border-color:rgb(232, 0, 200) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 200);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7040, 21.3259, 56.4564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 200) }
```

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

```
.background{ background-color: rgb(232, 0,  
200) }
```

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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