

Converting Colors

XYZ(41.8365, 23.9124, 35.6167)

Have a look what the booklet for
XYZ(41.8365, 23.9124, 35.6167)
contains.

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Color

**XYZ(41.6910, 23.8281,
35.6596)**

Conversions

Conversions Part 1

Format	Color
Hex	E844A0
RGB	232, 68, 160
RGB Percent	91%, 27%, 63%
CMY	0.0902, 0.7333, 0.3725
CMYK	0.00, 0.71, 0.31, 0.09
HSL	326°, 78%, 59%
HSV	326°, 71%, 91%
XYZ	41.6910, 23.8281, 35.6596
YIQ	127.5240, 68.2120, 63.3800

Conversions

Conversions Part 2

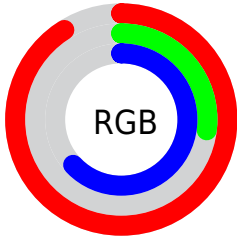
Format	Color
R _Y B	232, 68, 160
Decimal	15221920
CIE Lab	55.92, 69.92, -13.87
CIE LCh	56, 71.284, 348.782
Yxy	23.8281, 0.4121, 0.2355
Android (android.graphics.Color)	4293412000 (0xFFE844A0)
YUV	127.5240, 16.0107, 91.6255
Hunter-Lab	48.8140, 67.0284, -9.1427

Details

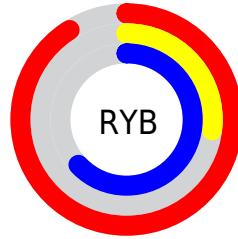
The XYZ color **41.6910, 23.8281, 35.6596** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **35.9756, 60.8364, 34.6612**, and the grayscale version is **20.2846, 21.3410, 23.2403**.

A 20% lighter version of the original color is **61.2249, 41.6046, 69.0936**, and **19.7200, 9.8534, 15.0499** is the 20% darker color. If you saturate the color by 10%, you get **39.7000, 21.2142, 30.7782**, and if you desaturate by 10%, it is **44.3112, 27.5833, 41.1114**.

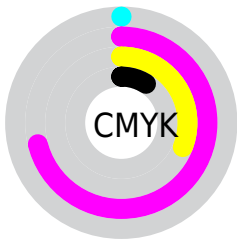
Distribution



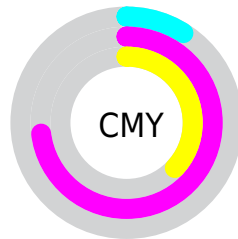
- Red (91%)
- Green (27%)
- Blue (63%)



- Red (91%)
- Yellow (27%)
- Blue (63%)



- Cyan (0%)
- Magenta (71%)
- Yellow (31%)
- Black (9%)





- Cyan (9%)
- Magenta (73%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6910, 23.8281, 35.6596 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 41.6910, 23.8281, 35.6596 by changing the saturation by 10% instead.


 41.6910, 23.8281,
35.6596


 41.6910, 23.8281,
35.6596


344.2139,
271.9503, 342.4626


 29.0495, 15.2062,
23.8838


 76.9999, 49.7495,
69.6695


 19.2627, 8.9642,
15.0360


 100.3979, 67.8178,
92.7406


 11.9654, 4.7178,
8.6978


 128.1121, 89.8037,
120.4140

 6.7921, 2.0827,
4.4505

 160.5079,
116.0915, 153.1080

 3.3776, 0.6549,
1.8756

 197.9506,
147.0657, 191.2414

 1.3565, 0.0000,
0.4771

240.8056,

 0.2249, 0.0000,

183.1106, 235.2326

0.0000

289.4383,
224.6106, 285.5001

■ 0.0000, 0.0000,
0.0000

■ 41.6910, 23.8281,
35.6596

■ 41.6910, 23.8281,
35.6596

■ 39.7000, 21.2142,
30.7782

■ 44.3112, 27.5833,
41.1114

■ 38.2646, 19.5974,
26.4335


■ 47.6187, 32.5936,
47.1606


■ 37.3175, 18.7713,
22.8250


■ 51.6668, 38.9632,
53.8332

■ 56.5030, 46.7842,
61.1529

■ 62.1705, 56.1406,
69.1416

 68.7092, 67.1100,
77.8199

 76.1564, 79.7646,
87.2074

 84.5472, 94.1723,
97.3228

 86.5578, 95.6835,
105.7315

Harmonies

Analogous

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



36.5512, 23.8281, 68.0098



41.6910, 23.8281, 35.6596



40.8947, 23.8281, 14.0395

Triad

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



41.6910, 23.8281, 35.6596



17.9805, 23.8281, 2.4553



13.8338, 23.8281, 76.2590

Complementary

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



41.6910, 23.8281, 35.6596



35.9756, 60.8364, 34.6612

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.



10.8422, 23.8281, 43.1839



41.6910, 23.8281, 35.6596



12.8107, 23.8281, 6.2188

Square

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



41.6910, 23.8281, 35.6596



25.8254, 23.8281, 2.1515



10.5190, 23.8281, 18.1770



19.7423, 23.8281, 99.2425

Rectangle

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



41.6910, 23.8281, 35.6596



37.1416, 23.8281, 6.7980



10.5190, 23.8281, 18.1770



12.5210, 23.8281, 65.2776

Sweetspot

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



41.6917, 23.8294, 35.6600



76.7247, 69.0406, 85.2462



27.2928, 15.4568, 77.8891



15.9850, 14.0517, 17.6421



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.



41.6917, 23.8294, 35.6600



48.2720, 25.1946, 35.5014



36.7557, 21.8550, 9.6674



14.7139, 14.5027, 16.6935



20.7816, 10.4468, 13.0107



1.5822, 0.7906, 1.2064

Inverse Universe

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



41.6917, 23.8294, 35.6600



48.2720, 25.1946, 35.5014



44.3014, 64.1667, 78.5043



14.7139, 14.5027, 16.6935



20.7816, 10.4468, 13.0107



1.5822, 0.7906, 1.2064

Previews

White Background



This preview shows how the XYZ color 41.6910, 23.8281, 35.6596 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 41.6910, 23.8281, 35.6596 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 41.6910, 23.8281, 35.6596

Background



This preview shows how black text looks on a background with the XYZ color 41.6910, 23.8281, 35.6596.



This preview shows how white text looks on a background with the XYZ color 41.6910, 23.8281,

35.6596.

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

41.6910, 23.8281, 35.6596

Protanopia

25.4551, 24.0985, 61.0674

Deuteranopia

24.5174, 24.0424, 32.6266



Tritanopia

36.9381, 23.7592, 12.7643

Trichromacy



Original Color

41.6910, 23.8281, 35.6596

Protanomaly

27.7908, 21.3837, 50.8068

Deuteranomaly

28.4289, 21.9425, 33.3088

Tritanomaly

38.3200, 23.5343, 19.3525

Monochromacy



Original Color

41.6910, 23.8281, 35.6596

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

25.6135, 20.3085, 27.3809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6910, 23.8281, 35.6596 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, 68, 160)` looks like.

```
.text, #text, p{  
    color:rgb(232, 68, 160)  
}
```

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, 68, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 68, 160) }
```

Border

The CSS property to change the border of an element to XYZ 41.6910, 23.8281, 35.6596 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, 68, 160) }
```


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

```
.border{ border-color:rgb(232, 68, 160) }
```

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

Here you see how a box with a 4 pixel rgb(232, 68, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 68, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 68, 160);  
box-shadow:4px 4px 4px 4px rgb(232, 68,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6910, 23.8281, 35.6596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 68, 160) }
```

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

```
.background{ background-color: rgb(232, 68,  
160) }
```

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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