

Converting Colors

XYZ(43.0018, 20.9128, 58.7327)

Have a look what the booklet for
XYZ(43.0018, 20.9128, 58.7327)
contains.

XYZ(42.8940, 20.8536, 58.8911)	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(42.8940, 20.8536,
58.8911)**

Conversions

Conversions Part 1

Format	Color
Hex	E400CC
RGB	228, 0, 204
RGB Percent	89%, 0%, 80%
CMY	0.1059, 0.9998, 0.2000
CMYK	0.00, 1.00, 0.11, 0.11
HSL	306°, 100%, 45%
HSV	306°, 100%, 89%
XYZ	42.8940, 20.8536, 58.8911
YIQ	91.4280, 70.4040, 111.7800

Conversions

Conversions Part 2

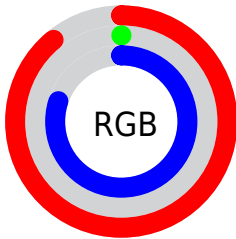
Format	Color
R_{YB}	228, 0, 204
Decimal	14942412
CIE _{Lab}	52.79, 87.02, -44.35
CIE _{LCh}	53, 97.668, 332.993
Yxy	20.8536, 0.3498, 0.1700
Android (android.graphics.Color)	4293132492 (0xFFE400CC)
YUV	91.4280, 55.4980, 119.7736
Hunter-Lab	45.6657, 87.7507, -44.4951

Details

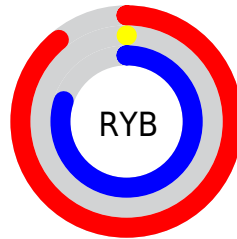
The XYZ color **42.8940, 20.8536, 58.8911** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **27.9095, 55.5537, 10.1183**, and the grayscale version is **9.9127, 10.4289, 11.3571**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **21.5733, 10.4948, 29.3224** is the 20% darker color. If you saturate the color by 10%, you get **42.8939, 20.8536, 58.8888**, and if you desaturate by 10%, it is **43.4878, 21.5763, 60.5207**.

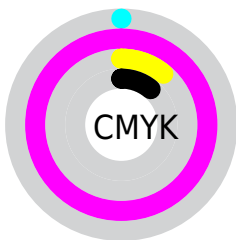
Distribution



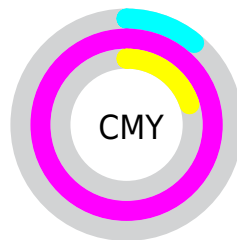
- Red (89%)
- Green (0%)
- Blue (80%)



- Red (89%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8940, 20.8536, 58.8911 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 42.8940, 20.8536, 58.8911 by changing the saturation by 10% instead.


 42.8940, 20.8536,
58.8911

 42.8940, 20.8536,
58.8911

349.1046,
256.4994, 438.1889

 29.9961, 13.0170,
42.1060


 78.8076, 44.8438,
104.7469


 19.9837, 7.4403,
28.8581


 102.5540, 61.7661,
134.6548


 12.4914, 3.7389,
18.7289


 130.6473, 82.4859,
169.7740

 7.1538, 1.5286,
11.2997

 163.4528,
107.3875, 210.5230

 3.6057, 0.3087,
6.1521

 201.3360,
136.8552, 257.3205

 1.4816, 0.0000,
2.8675

 244.6621,

 0.3132, 0.0000,

171.2735, 310.5849

1.0274

293.7965,
211.0268, 370.7349

■ 0.0000, 0.0000,
0.0000

■ 42.8940, 20.8536,
58.8911

■ 42.8940, 20.8536,
58.8911

■ 42.8939, 20.8536,
58.8888

■ 43.4878, 21.5763,
60.5207

■ 44.4422, 23.0136,
62.2924

■ 45.8722, 25.3949,
64.2447

■ 47.8436, 28.8520,
66.3997

■ 50.4120, 33.4956,
68.7759

■ 53.6258, 39.4229,
71.3896

■ 57.5286, 46.7208,
74.2555

■ 62.1601, 55.4690,
77.3868

■ 67.5571, 65.7407,
80.7960

Harmonies

Analogous

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



32.5140, 20.8536, 109.7327



42.8940, 20.8536, 58.8911



46.5204, 20.8536, 19.9010

Triad

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



42.8940, 20.8536, 58.8911



18.8154, 20.8536, 0.0000



7.5134, 20.8536, 68.9969

Complementary

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



42.8940, 20.8536, 58.8911



27.9095, 55.5537, 10.1183

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.



5.9895, 20.8536, 25.7629



42.8940, 20.8536, 58.8911



10.9537, 20.8536, 0.6361

Square

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



42.8940, 20.8536, 58.8911



30.1117, 20.8536, 0.2795



6.9903, 20.8536, 5.5716



12.1905, 20.8536, 118.3203

Rectangle

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



42.8940, 20.8536, 58.8911



43.8713, 20.8536, 7.0869



6.9903, 20.8536, 5.5716



6.7049, 20.8536, 52.4222

Sweetspot

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



42.8948, 20.8546, 58.8915



74.0402, 60.0122, 95.6330



14.3537, 5.7825, 73.7592



15.3686, 11.9467, 20.1259



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.



42.8948, 20.8546, 58.8915



55.2648, 26.8699, 75.7836



33.8936, 17.2542, 11.4921



14.9263, 14.5877, 17.8122



24.7946, 12.0521, 34.1429



1.8511, 0.8982, 2.6225

Inverse Universe

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



42.8948, 20.8546, 58.8915



55.2648, 26.8699, 75.7836



32.2463, 57.2885, 32.9560



14.9263, 14.5877, 17.8122



24.7946, 12.0521, 34.1429



1.8511, 0.8982, 2.6225

Previews

White Background



This preview shows how the XYZ color 42.8940, 20.8536, 58.8911 looks on a white background.

Color Contrast Check

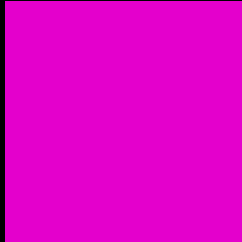
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8940, 20.8536, 58.8911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

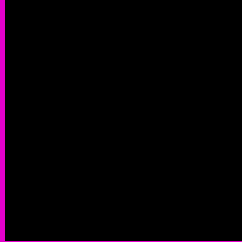
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.8940, 20.8536, 58.8911

Background



This preview shows how black text looks on a background with the XYZ color 42.8940, 20.8536, 58.8911.



This preview shows how white text looks on a background with the XYZ color 42.8940, 20.8536,

58.8911.

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

42.8940, 20.8536, 58.8911

Protanopia

25.8605, 21.7610, 97.4450

Deuteranopia

22.1408, 21.5812, 52.8678



Tritanopia

33.1236, 21.1449, 10.9299

Trichromacy



Original Color

42.8940, 20.8536, 58.8911



Protanomaly

23.8086, 14.5691, 80.9141



Deuteranomaly

24.5833, 15.8901, 53.9960



Tritanomaly

34.8989, 19.2983, 22.3076

Monochromacy



Original Color

42.8940, 20.8536, 58.8911



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.6624, 10.3548, 22.9503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8940, 20.8536, 58.8911 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(228, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(228, 0, 204)  
}
```

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(228, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 42.8940, 20.8536, 58.8911 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(228, 0, 204) }
```


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

```
.border{ border-color:rgb(228, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(228, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(228, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8940, 20.8536, 58.8911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 0, 204) }
```

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

```
.background{ background-color: rgb(228, 0,  
204) }
```

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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