

Converting Colors

XYZ(40.6172, 20.0931, 40.1168)

Have a look what the booklet for
XYZ(40.6172, 20.0931, 40.1168)
contains.

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Color

**XYZ(40.6294, 20.0961,
40.2656)**

Conversions

Conversions Part 1

Format	Color
Hex	E800AB
RGB	232, 0, 171
RGB Percent	91%, 0%, 67%
CMY	0.0902, 0.9998, 0.3294
CMYK	0.00, 1.00, 0.26, 0.09
HSL	316°, 100%, 45%
HSV	316°, 100%, 91%
XYZ	40.6294, 20.0961, 40.2656
YIQ	88.8620, 83.3810, 102.3650

Conversions

Conversions Part 2

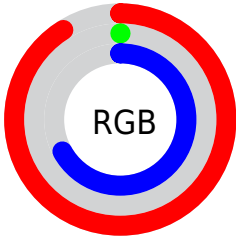
Format	Color
RYB	232, 0, 171
Decimal	15204523
CIELab	51.95, 83.78, -26.41
CIELCh	52, 87.844, 342.505
Yxy	20.0961, 0.4023, 0.1990
Android (android.graphics.Color)	4293394603 (0xFFE800AB)
YUV	88.8620, 40.4940, 125.5320
Hunter-Lab	44.8287, 83.3290, -21.8748

Details

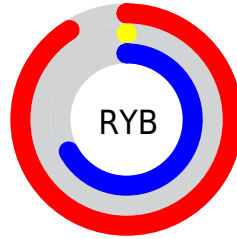
The XYZ color **40.6294, 20.0961, 40.2656** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **29.7009, 58.0512, 14.0613**, and the grayscale version is **9.3717, 9.8597, 10.7372**.

A 20% lighter version of the original color is **59.3798, 35.3554, 76.3677**, and **20.0646, 9.9659, 18.0056** is the 20% darker color. If you saturate the color by 10%, you get **40.6283, 20.0957, 40.2594**, and if you desaturate by 10%, it is **41.5361, 20.9569, 43.5040**.

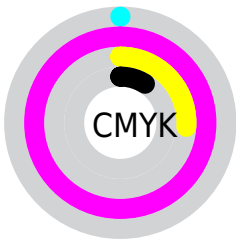
Distribution



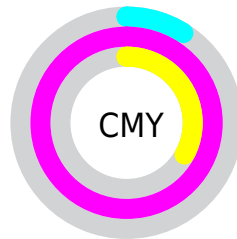
- Red (91%)
- Green (0%)
- Blue (67%)



- Red (91%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6294, 20.0961, 40.2656 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 40.6294, 20.0961, 40.2656 by changing the saturation by 10% instead.

 40.6294, 20.0961,
40.2656

 40.6294, 20.0961,
40.2656


339.8584,
252.4349, 362.8271

 28.2160, 12.4649,
27.4303

 75.3993, 43.5782,
76.8093

 18.6298, 7.0611,
17.6614


 98.4864, 60.1980,
101.3548


 11.5055, 3.5004,
10.5402


 125.8623, 80.5827,
130.6408

 6.4777, 1.3982,
5.6483

 157.8921,
105.1168, 165.0858

 3.1811, 0.2154,
2.5671

 194.9412,
134.1847, 205.1084

 1.2502, 0.0000,
0.8754

 237.3751,

 0.1455, 0.0000,

168.1707, 251.1272

0.0000

285.5591,
207.4593, 303.5605

■ 0.0000, 0.0000,
0.0000

■ 40.6294, 20.0961,
40.2656

■ 40.6294, 20.0961,
40.2656

■ 40.6283, 20.0957,
40.2594

■ 41.5361, 20.9569,
43.5040

■ 42.8418, 22.5724,
47.0094

■ 44.6654, 25.1796,
50.8234

■ 47.0761, 28.9164,
54.9706

■ 50.1321, 33.8987,
59.4722

■ 53.8844, 40.2279,
64.3466

■ 58.3788, 47.9950,
69.6108

■ 63.6569, 57.2830,
75.2802

■ 69.7575, 68.1686,
81.3692

Harmonies

Analogous

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



33.2257, 20.0961, 81.9267



40.6294, 20.0961, 40.2656



41.2734, 20.0961, 12.8602

Triad

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



40.6294, 20.0961, 40.2656



15.6158, 20.0961, 0.2658



9.0252, 20.0961, 74.8340

Complementary

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



40.6294, 20.0961, 40.2656



29.7009, 58.0512, 14.0613

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.



6.7551, 20.0961, 34.3630



40.6294, 20.0961, 40.2656



9.6825, 20.0961, 1.9568

Square

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



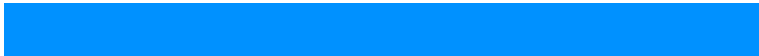
40.6294, 20.0961, 40.2656



24.7476, 20.0961, 0.4042



6.9506, 20.0961, 10.1685



14.3857, 20.0961, 110.4054

Rectangle

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



40.6294, 20.0961, 40.2656



37.5713, 20.0961, 4.6570



6.9506, 20.0961, 10.1685



7.9633, 20.0961, 60.4221

Sweetspot

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



40.6301, 20.0972, 40.2659



72.2384, 59.2914, 86.1446



16.3131, 6.7279, 76.7830



14.9335, 11.7727, 17.8346



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.



40.6301, 20.0972, 40.2659



50.3105, 24.8882, 49.6946



34.0440, 17.4628, 5.5841



14.8248, 14.5471, 17.2777



22.6096, 11.1781, 22.6372



1.7085, 0.8411, 1.8713

Inverse Universe

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



40.6301, 20.0972, 40.2659



50.3105, 24.8882, 49.6946



36.4985, 60.7702, 49.8568



14.8248, 14.5471, 17.2777



22.6096, 11.1781, 22.6372



1.7085, 0.8411, 1.8713

Previews

White Background



This preview shows how the XYZ color 40.6294, 20.0961, 40.2656 looks on a white background.

Color Contrast Check

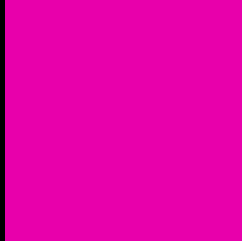
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.6294, 20.0961, 40.2656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

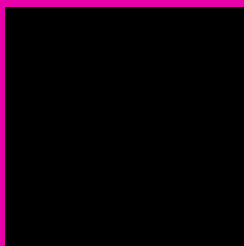
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.6294, 20.0961, 40.2656

Background



This preview shows how black text looks on a background with the XYZ color 40.6294, 20.0961, 40.2656.



This preview shows how white text looks on a background with the XYZ color 40.6294, 20.0961,

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

40.6294, 20.0961, 40.2656

Protanopia

24.6585, 21.1744, 87.5814

Deuteranopia

21.1739, 20.6971, 36.1367



Tritanopia

34.1958, 20.4768, 8.1113

Trichromacy



Original Color

40.6294, 20.0961, 40.2656



Protanomaly

22.8565, 14.3805, 67.2167



Deuteranomaly

24.1232, 15.7062, 36.8821



Tritanomaly

35.5126, 19.2833, 15.7602

Monochromacy



Original Color

40.6294, 20.0961, 40.2656



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.7774, 9.9209, 18.5361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6294, 20.0961, 40.2656 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 40.6294, 20.0961, 40.2656 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, 171) }
```


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

```
.border{ border-color:rgb(232, 0, 171) }
```

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, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6294, 20.0961, 40.2656 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, 171) }
```

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

```
.background{ background-color: rgb(232, 0,  
171) }
```

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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