

Converting Colors

XYZ(40.6371, 20.8935, 34.6833)

Have a look what the booklet for
XYZ(40.6371, 20.8935, 34.6833)
contains.

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Color

**XYZ(40.6291, 20.8744,
34.6887)**

Conversions

Conversions Part 1

Format	Color
Hex	EA1D9F
RGB	234, 29, 159
RGB Percent	92%, 11%, 62%
CMY	0.0824, 0.8862, 0.3765
CMYK	0.00, 0.88, 0.32, 0.08
HSL	322°, 83%, 52%
HSV	322°, 88%, 92%
XYZ	40.6291, 20.8744, 34.6887
YIQ	105.1150, 80.4500, 83.8900

Conversions

Conversions Part 2

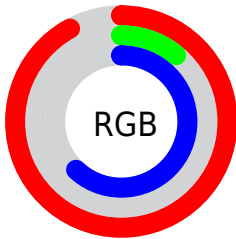
Format	Color
R_{YB}	234, 29, 159
Decimal	15343007
CIE _{Lab}	52.81, 80.05, -17.96
CIE _{LCh}	53, 82.035, 347.357
Yxy	20.8744, 0.4224, 0.2170
Android (android.graphics.Color)	4293533087 (0xFFEA1D9F)
YUV	105.1150, 26.5653, 113.0321
Hunter-Lab	45.6885, 78.7785, -13.0336

Details

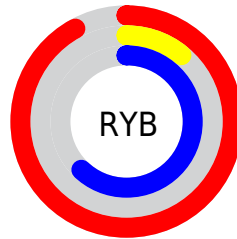
The XYZ color **40.6291, 20.8744, 34.6887** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **32.4301, 60.1073, 22.9955**, and the grayscale version is **13.3767, 14.0734, 15.3259**.

A 20% lighter version of the original color is **58.3279, 36.0157, 67.4958**, and **19.8874, 9.9458, 14.7815** is the 20% darker color. If you saturate the color by 10%, you get **39.5332, 19.8307, 30.7837**, and if you desaturate by 10%, it is **42.2059, 22.7973, 39.0082**.

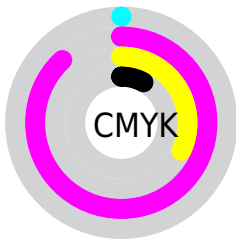
Distribution



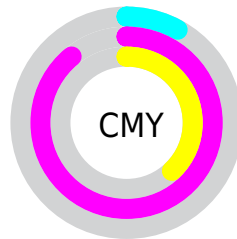
- Red (92%)
- Green (11%)
- Blue (62%)



- Red (92%)
- Yellow (11%)
- Blue (62%)



- Cyan (0%)
- Magenta (88%)
- Yellow (32%)
- Black (8%)





- Cyan (8%)
- Magenta (89%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6291, 20.8744, 34.6887 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 40.6291, 20.8744, 34.6887 by changing the saturation by 10% instead.

 40.6291, 20.8744,
34.6887


 40.6291, 20.8744,
34.6887


339.8572,
256.6102, 338.0545


 28.2158, 13.0322,
23.1415


 75.3988, 44.8784,
68.1493


 18.6297, 7.4507,
14.4918


 98.4859, 61.8090,
90.8999


 11.5054, 3.7456,
8.3209


 125.8616, 82.5379,
118.2220

 6.4776, 1.5323,
4.2102

 157.8913,
107.4495, 150.5341

 3.1810, 0.3113,
1.7414

 194.9404,
136.9281, 188.2550

 1.2502, 0.0000,
0.3889

237.3741,

 0.1455, 0.0000,

171.3582, 231.8029

0.0000

285.5580,
211.1241, 281.5966

■ 0.0000, 0.0000,
0.0000

■ 40.6291, 20.8744,
34.6887

■ 40.6291, 20.8744,
34.6887

■ 39.5332, 19.8307,
30.7837

■ 42.2059, 22.7973,
39.0082

■ 39.3073, 19.6427,
29.8950

■ 44.3528, 25.7765,
43.7765

■ 47.1386, 29.9481,
49.0215

■ 50.6214, 35.4265,
54.7673

■ 54.8524, 42.3127,
61.0354

■ 59.8779, 50.6979,
67.8458

■ 65.7402, 60.6654,
75.2169

■ 72.4786, 72.2923,
83.1661

■ 80.1298, 85.6507,
91.7098

Harmonies

Analogous

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



34.5811, 20.8744, 71.9645



40.6291, 20.8744, 34.6887



40.0666, 20.8744, 11.3652

Triad

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



40.6291, 20.8744, 34.6887



15.3234, 20.8744, 0.8917



10.6473, 20.8744, 78.0408

Complementary

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



40.6291, 20.8744, 34.6887



32.4301, 60.1073, 22.9955

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.



7.9105, 20.8744, 39.8949



40.6291, 20.8744, 34.6887



10.0274, 20.8744, 3.4143

Square

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



40.6291, 20.8744, 34.6887



23.6663, 20.8744, 0.7697



7.7222, 20.8744, 13.8922



16.4510, 20.8744, 106.7527

Rectangle

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



40.6291, 20.8744, 34.6887



36.0138, 20.8744, 4.4447



7.7222, 20.8744, 13.8922



9.4209, 20.8744, 65.0186

Sweetspot

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



40.6297, 20.8756, 34.6890



73.7604, 63.2812, 83.7367



20.6318, 9.5736, 78.6025



15.2975, 12.7190, 17.2828



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.



40.6297, 20.8756, 34.6890



47.7347, 23.8579, 36.1306



35.1812, 18.6961, 5.9976



15.4674, 15.2148, 17.7467



22.1511, 11.0631, 17.1288



1.7854, 0.8871, 1.5872

Inverse Universe

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



40.6297, 20.8756, 34.6890



47.7347, 23.8579, 36.1306



40.7400, 63.4312, 66.7548



15.4674, 15.2148, 17.7467



22.1511, 11.0631, 17.1288



1.7854, 0.8871, 1.5872

Previews

White Background



This preview shows how the XYZ color 40.6291, 20.8744, 34.6887 looks on a white background.

Color Contrast Check

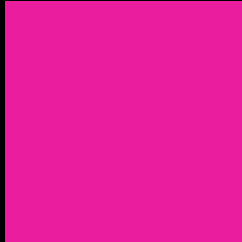
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.6291, 20.8744, 34.6887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

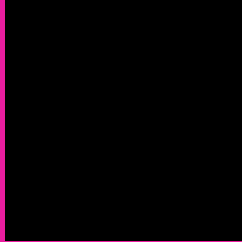
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.6291, 20.8744, 34.6887

Background



This preview shows how black text looks on a background with the XYZ color 40.6291, 20.8744, 34.6887.



This preview shows how white text looks on a background with the XYZ color 40.6291, 20.8744,

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

40.6291, 20.8744, 34.6887

Protanopia

23.8721, 21.4831, 71.9957

Deuteranopia

21.6857, 21.2524, 31.3929



Tritanopia

35.1076, 20.9505, 7.9878

Trichromacy



Original Color

40.6291, 20.8744, 34.6887



Protanomaly

24.1977, 16.5866, 55.9590



Deuteranomaly

25.2585, 17.6602, 32.2145



Tritanomaly

36.3045, 20.3285, 14.5807

Monochromacy



Original Color

40.6291, 20.8744, 34.6887



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

19.3044, 13.4638, 20.9834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6291, 20.8744, 34.6887 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(234, 29, 159)` looks like.

```
.text, #text, p{  
    color:rgb(234, 29, 159)  
}
```

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(234, 29, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 29, 159) }
```

Border

The CSS property to change the border of an element to XYZ 40.6291, 20.8744, 34.6887 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(234, 29, 159) }
```


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

```
.border{ border-color:rgb(234, 29, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 29, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 29, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 29, 159); box-shadow:4px 4px 4px 4px rgb(234, 29, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6291, 20.8744, 34.6887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 29, 159) }
```

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

```
.background{ background-color: rgb(234, 29,  
159) }
```

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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