

Converting Colors

XYZ(41.3404, 20.1733, 53.3674)

Have a look what the booklet for
XYZ(41.3404, 20.1733, 53.3674)
contains.

XYZ(41.2144, 20.1089, 53.3389)	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(41.2144, 20.1089,
53.3389)**

Conversions

Conversions Part 1

Format	Color
Hex	E200C3
RGB	226, 0, 195
RGB Percent	89%, 0%, 76%
CMY	0.1137, 0.9998, 0.2353
CMYK	0.00, 1.00, 0.14, 0.11
HSL	308°, 100%, 44%
HSV	308°, 100%, 89%
XYZ	41.2144, 20.1089, 53.3389
YIQ	89.8040, 72.1010, 108.5570

Conversions

Conversions Part 2

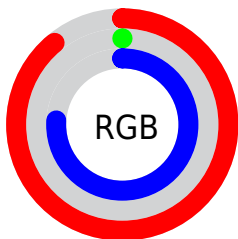
Format	Color
R_{YB}	226, 0, 195
Decimal	14811331
CIE _{Lab}	51.96, 85.52, -40.49
CIE _{LCh}	52, 94.618, 334.665
Yxy	20.1089, 0.3594, 0.1754
Android (android.graphics.Color)	4293001411 (0xFFE200C3)
YUV	89.8040, 51.8616, 119.4439
Hunter-Lab	44.8429, 85.5812, -39.1330

Details

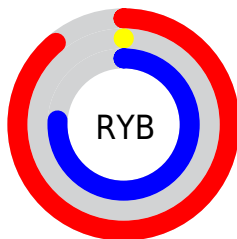
The XYZ color **41.2144, 20.1089, 53.3389** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **27.4450, 54.4927, 10.3708**, and the grayscale version is **9.5560, 10.0537, 10.9485**.

A 20% lighter version of the original color is **63.0854, 36.8377, 95.8809**, and **20.5336, 10.0301, 26.0531** is the 20% darker color. If you saturate the color by 10%, you get **41.2141, 20.1088, 53.3359**, and if you desaturate by 10%, it is **41.8683, 20.8494, 55.3048**.

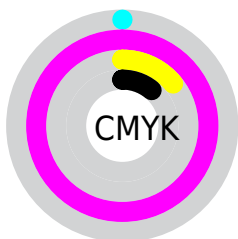
Distribution



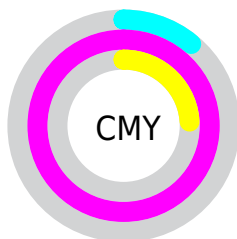
- Red (89%)
- Green (0%)
- Blue (76%)



- Red (89%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2144, 20.1089, 53.3389 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 41.2144, 20.1089, 53.3389 by changing the saturation by 10% instead.

 41.2144, 20.1089,
53.3389

 41.2144, 20.1089,
53.3389


342.2632,
252.5040, 416.6871


 28.6751, 12.4742,
37.6838


 76.2819, 43.5997,
96.5495


 18.9782, 7.0675,
25.4374


 99.5408, 60.2246,
124.9420


 11.7584, 3.5044,
16.1813


 127.1036, 80.6150,
158.4175

 6.6504, 1.4004,
9.4968

 159.3356,
105.1554, 197.3944

 3.2888, 0.2170,
4.9654

 196.6022,
134.2301, 242.2912

 1.3083, 0.0000,
2.1686

 239.2688,

 0.1894, 0.0000,

168.2235, 293.5266

0.6562

287.7006,
207.5200, 351.5191

■ 0.0000, 0.0000,
0.0000

■ 41.2144, 20.1089,
53.3389

■ 41.2144, 20.1089,
53.3389

■ 41.2141, 20.1088,
53.3359

■ 41.8683, 20.8494,
55.3048

■ 42.8783, 22.2906,
57.4253

■ 44.3572, 24.6580,
59.7385

■ 46.3696, 28.0804,
62.2661

■ 48.9697, 32.6664,
65.0264

■ 52.2050, 38.5109,
68.0353

■ 56.1182, 45.6991,
71.3074

■ 60.7483, 54.3088,
74.8558

■ 66.1311, 64.4119,
78.6927

Harmonies

Analogous

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



31.7006, 20.1089, 100.9118



41.2144, 20.1089, 53.3389



44.1524, 20.1089, 17.8588

Triad

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



41.2144, 20.1089, 53.3389



17.6460, 20.1089, 0.0000



7.5684, 20.1089, 68.0407

Complementary

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



41.2144, 20.1089, 53.3389



27.4450, 54.4927, 10.3708

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.



5.9586, 20.1089, 26.4980



41.2144, 20.1089, 53.3389



10.3957, 20.1089, 0.8224

Square

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



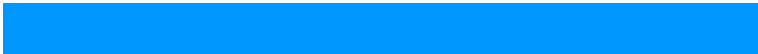
41.2144, 20.1089, 53.3389



28.1841, 20.1089, 0.2845



6.7849, 20.1089, 6.1374



12.2326, 20.1089, 113.3352

Rectangle

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



41.2144, 20.1089, 53.3389



41.3676, 20.1089, 6.3817



6.7849, 20.1089, 6.1374



6.7391, 20.1089, 52.3262

Sweetspot

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



41.2151, 20.1099, 53.3393



73.6659, 59.8625, 93.6622



14.2684, 5.7705, 72.3140



15.2779, 11.9104, 19.6481



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.



41.2151, 20.1099, 53.3393



54.1603, 26.4281, 69.9674



32.9219, 16.7926, 9.6679



14.2099, 13.9016, 16.8755



23.5452, 11.4851, 30.6004



1.6547, 0.8051, 2.2402

Inverse Universe

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



41.2151, 20.1099, 53.3393



54.1603, 26.4281, 69.9674



32.1663, 56.3812, 35.2330



14.2099, 13.9016, 16.8755



23.5452, 11.4851, 30.6004



1.6547, 0.8051, 2.2402

Previews

White Background



This preview shows how the XYZ color 41.2144, 20.1089, 53.3389 looks on a white background.

Color Contrast Check

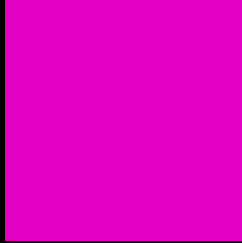
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.2144, 20.1089, 53.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

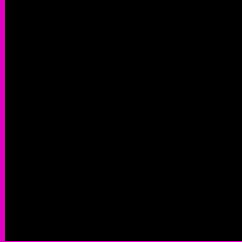
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.2144, 20.1089, 53.3389

Background



This preview shows how black text looks on a background with the XYZ color 41.2144, 20.1089, 53.3389.



This preview shows how white text looks on a background with the XYZ color 41.2144, 20.1089,

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

41.2144, 20.1089, 53.3389

Protanopia

25.2182, 21.0653, 97.3446

Deuteranopia

21.3603, 20.9109, 47.7101



Tritanopia

32.4580, 20.5008, 10.0309

Trichromacy



Original Color

41.2144, 20.1089, 53.3389



Protanomaly

22.1857, 13.6777, 78.5615



Deuteranomaly

23.8709, 15.5282, 48.7528



Tritanomaly

34.1264, 18.8174, 20.2458

Monochromacy



Original Color

41.2144, 20.1089, 53.3389



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.0069, 9.9737, 21.5035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2144, 20.1089, 53.3389 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(226, 0, 195)` looks like.

```
.text, #text, p{  
    color:rgb(226, 0, 195)  
}
```

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(226, 0, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 0, 195) }
```

Border

The CSS property to change the border of an element to XYZ 41.2144, 20.1089, 53.3389 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(226, 0, 195) }
```


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

```
.border{ border-color:rgb(226, 0, 195) }
```

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

Here you see how a box with a 4 pixel rgb(226, 0, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 0, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 0, 195);  
box-shadow:4px 4px 4px 4px rgb(226, 0,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2144, 20.1089, 53.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 0, 195) }
```

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

```
.background{ background-color: rgb(226, 0,  
195) }
```

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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