

# Converting Colors

XYZ(41.2823, 20.2433, 53.2064)

Have a look what the booklet for  
XYZ(41.2823, 20.2433, 53.2064)  
contains.

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# Color

**XYZ(41.2795, 20.2391,  
53.3606)**

# Conversions

Conversions Part 1	
Format	Color
Hex	E206C3
RGB	226, 6, 195
RGB Percent	89%, 2%, 76%
CMY	0.1137, 0.9763, 0.2353
CMYK	0.00, 0.97, 0.14, 0.11
HSL	308°, 95%, 45%
HSV	308°, 97%, 89%
XYZ	41.2795, 20.2391, 53.3606
YIQ	93.3260, 70.4510, 105.4190

# Conversions

## Conversions Part 2

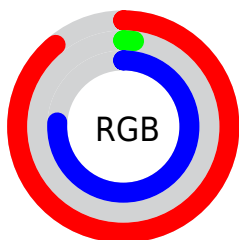
Format	Color
<a href="#">RYB</a>	<a href="#">226, 6, 195</a>
Decimal	<a href="#">14812867</a>
CIELab	<a href="#">52.11, 85.09, -40.26</a>
CIELCh	<a href="#">52, 94.129, 334.679</a>
Yxy	<a href="#">20.2391, 0.3593, 0.1762</a>
Android (android.graphics.Color)	<a href="#">4293002947</a> (0xFFE206C3)
YUV	<a href="#">93.3260, 50.1253, 116.3551</a>
Hunter-Lab	<a href="#">44.9879, 85.0573, -38.8330</a>

# Details

The XYZ color **41.2795, 20.2391, 53.3606** 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 **27.6067, 54.5660, 10.8307**, and the grayscale version is **10.3607, 10.9002, 11.8703**.

A 20% lighter version of the original color is **63.1784, 37.0236, 95.9119**, and **20.5336, 10.0301, 26.0531** is the 20% darker color. If you saturate the color by 10%, you get **41.1187, 20.0707, 52.8338**, and if you desaturate by 10%, it is **42.0093, 21.1158, 55.3999**.

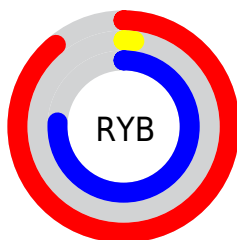
# Distribution



Red (89%)

Green (2%)

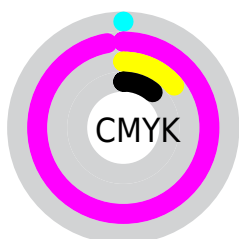
Blue (76%)



Red (89%)

Yellow (2%)

Blue (76%)

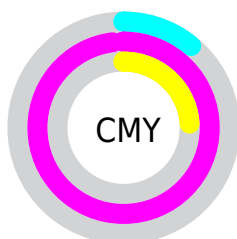


Cyan (0%)

Magenta (97%)

Yellow (14%)

Black (11%)



Cyan (11%)

Magenta (98%)


Yellow (24%)

# Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2795, 20.2391, 53.3606 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 41.2795, 20.2391, 53.3606 by changing the saturation by 10% instead.




 41.2795, 20.2391,  
53.3606


 41.2795, 20.2391,  
53.3606

 342.5301,  
253.2066, 416.7725


 28.7262, 12.5690,  
37.7010


 76.3800, 43.8177,  
96.5817


 19.0170, 7.1324,  
25.4507


 99.6580, 60.4949,  
124.9803


 11.7867, 3.5450,  
16.1911

 127.2415, 80.9433,  
158.4623

 6.6697, 1.4225,  
9.5037

 159.4959,  
105.5473, 197.4463

 3.3009, 0.2332,  
4.9699

 196.7866,  
134.6912, 242.3507

 1.3148, 0.0000,  
2.1712

 239.4790,


 0.1943, 0.0000,


168.7595, 293.5942


0.6577


287.9384,  
208.1365, 351.5953

 0.0000, 0.0000,  
0.0000


 41.2795, 20.2391,  
53.3606


 41.2795, 20.2391,  
53.3606


 41.1187, 20.0707,  
52.8338

 42.0093, 21.1158,  
55.3999

 43.1449, 22.7919,  
57.6125

 44.7682, 25.4312,  
60.0260

 46.9406, 29.1562,  
62.6612

 49.7143, 34.0711,  
65.5356

■ 53.1354, 40.2682,  
68.6649

■ 57.2455, 47.8304,  
72.0630

■ 62.0826, 56.8339,  
75.7430

■ 67.6820, 67.3491,  
79.7167

# Harmonies

## Analogous

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



31.8029, 20.2391, 100.6581



41.2795, 20.2391, 53.3606



44.2009, 20.2391, 17.9904

# Triad

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



41.2795, 20.2391, 53.3606



17.7663, 20.2391, 0.0000



7.6794, 20.2391, 68.0335

# Complementary

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



41.2795, 20.2391, 53.3606



27.6067, 54.5660, 10.8307

# 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.



6.0600, 20.2391, 26.6489



41.2795, 20.2391, 53.3606



10.5121, 20.2391, 0.8692

# Square

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



41.2795, 20.2391, 53.3606



28.2856, 20.2391, 0.3323



6.8897, 20.2391, 6.2542



12.3583, 20.2391, 113.0346



# Rectangle

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



41.2795, 20.2391, 53.3606



41.4254, 20.2391, 6.4894



6.8897, 20.2391, 6.2542



6.8457, 20.2391, 52.3965

# Sweetspot

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



41.2802, 20.2401, 53.3610



74.1911, 60.8949, 93.8923



14.4988, 5.9859, 72.3434



15.3749, 12.1036, 19.6829



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.



41.2802, 20.2401, 53.3610



54.0343, 26.3777, 69.3037



33.1376, 16.9831, 10.4823



14.2076, 13.9007, 16.8634



23.4915, 11.4636, 30.3176



1.6514, 0.8038, 2.2233



# Inverse Universe

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



41.2802, 20.2401, 53.3610



54.0343, 26.3777, 69.3037



32.4099, 56.4873, 36.1238



14.2076, 13.9007, 16.8634



23.4915, 11.4636, 30.3176



1.6514, 0.8038, 2.2233



# Previews

## White Background



This preview shows how the XYZ color 41.2795, 20.2391, 53.3606 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

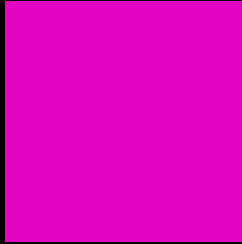
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 41.2795, 20.2391, 53.3606 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 41.2795, 20.2391, 53.3606**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2795, 20.2391, 53.3606.



This preview shows how white text looks on a background with the XYZ color 41.2795, 20.2391,



# 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

41.2795, 20.2391, 53.3606

### Protanopia

25.2407, 21.0769, 97.3457

### Deuteranopia

21.3603, 20.9109, 47.7101



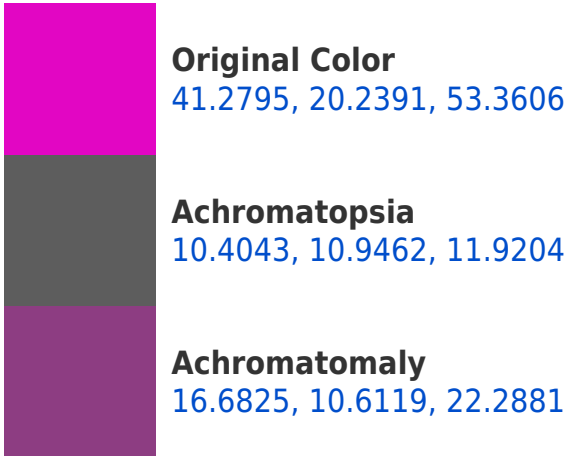
## Tritanopia

32.4580, 20.5008, 10.0309

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2795, 20.2391, 53.3606 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, 6, 195)` looks like.

```
.text, #text, p{  
    color:rgb(226, 6, 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, 6, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 6, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2795, 20.2391, 53.3606 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, 6, 195) }
```



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

```
.border{ border-color:rgb(226, 6, 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, 6, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 6, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 6, 195);  
box-shadow:4px 4px 4px 4px rgb(226, 6,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2795, 20.2391, 53.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 6, 195) }
```

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

```
.background{ background-color: rgb(226, 6,  
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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