

# Converting Colors

XYZ(40.7112, 22.3741, 35.3476)

Have a look what the booklet for  
XYZ(40.7112, 22.3741, 35.3476)  
contains.

<b>XYZ(40.7143, 22.3553, 35.4268)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(40.7143, 22.3553,  
35.4268)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E738A0
RGB	231, 56, 160
RGB Percent	91%, 22%, 63%
CMY	0.0941, 0.7803, 0.3725
CMYK	0.00, 0.76, 0.31, 0.09
HSL	324°, 78%, 56%
HSV	324°, 76%, 91%
XYZ	40.7143, 22.3553, 35.4268
YIQ	120.1810, 70.9160, 69.4440

# Conversions

## Conversions Part 2

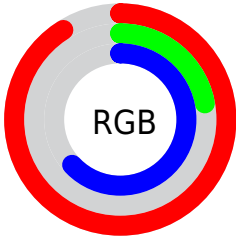
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 56, 160
Decimal	15153312
CIE Lab	54.40, 73.45, -16.18
CIE LCh	54, 75.215, 347.581
Yxy	22.3553, 0.4134, 0.2270
Android (android.graphics.Color)	4293343392 (0xFFE738A0)
YUV	120.1810, 19.6308, 97.1883
Hunter-Lab	47.2814, 70.9650, -11.3276

# Details

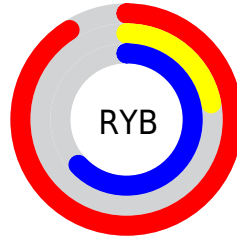
The XYZ color **40.7143, 22.3553, 35.4268** is a light color, and the websafe version is hex **CC3399**. The color can be described as light washed rose. A complement of this color would be **34.0390, 59.5256, 29.7781**, and the grayscale version is **17.8354, 18.7642, 20.4343**.

A 20% lighter version of the original color is **60.1026, 39.3599, 68.7195**, and **19.5014, 9.7406, 15.0397** is the 20% darker color. If you saturate the color by 10%, you get **39.0522, 20.2941, 30.9788**, and if you desaturate by 10%, it is **42.9556, 25.4756, 40.3732**.

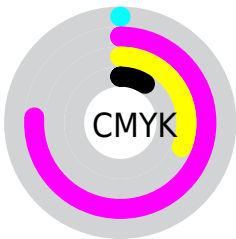
# Distribution



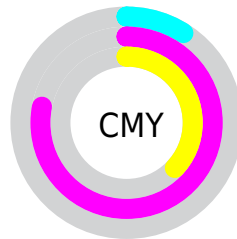
- Red (91%)
- Green (22%)
- Blue (63%)



- Red (91%)
- Yellow (22%)
- Blue (63%)



- Cyan (0%)
- Magenta (76%)
- Yellow (31%)
- Black (9%)



- Cyan (9%)
- Magenta (78%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7143, 22.3553, 35.4268 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 40.7143, 22.3553, 35.4268 by changing the saturation by 10% instead.




 40.7143, 22.3553,  
35.4268


 40.7143, 22.3553,  
35.4268


340.2081,  
264.3962, 341.4095

 28.2826, 14.1182,  
23.7056


 75.5275, 47.3325,  
69.3055


 18.6803, 8.2029,  
14.9052


 98.6396, 64.8415,  
92.3001


 11.5422, 4.2251,  
8.6070


 126.0426, 86.2098,  
119.8896

 6.5027, 1.8002,  
4.3925


 158.1019,  
111.8219, 152.4925

 3.1966, 0.4873,  
1.8430

 195.1827,  
142.0622, 190.5275

 1.2586, 0.0000,  
0.4561

237.6504,

 0.1519, 0.0000,

177.3151, 234.4129

0.0000

285.8705,  
217.9649, 284.5674

■ 0.0000, 0.0000,  
0.0000

■ 40.7143, 22.3553,  
35.4268

■ 40.7143, 22.3553,  
35.4268

■ 39.0522, 20.2941,  
30.9788

■ 42.9556, 25.4756,  
40.3732

■ 37.8883, 19.1326,  
26.9950


■ 45.8382, 29.7777,  
45.8448


■ 37.4901, 18.8030,  
25.4236


■ 49.4180, 35.3712,  
51.8665


■ 53.7440, 42.3519,  
58.4607

■ 58.8606, 50.8068,  
65.6483

 64.8085, 60.8155,  
73.4486

 71.6255, 72.4519,  
81.8797

 79.3473, 85.7852,  
90.9591

 85.0980, 95.0621,  
99.7335

# Harmonies

## Analogous

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



35.1762, 22.3553, 69.3992



40.7143, 22.3553, 35.4268



40.1488, 22.3553, 13.0721

# Triad

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



40.7143, 22.3553, 35.4268



16.8241, 22.3553, 1.6689



12.2730, 22.3553, 75.3558

# Complementary

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



40.7143, 22.3553, 35.4268



34.0390, 59.5256, 29.7781

# 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.



9.4649, 22.3553, 40.7264



40.7143, 22.3553, 35.4268



11.5883, 22.3553, 4.7989

# Square

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



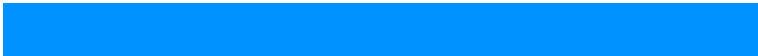
40.7143, 22.3553, 35.4268



24.8303, 22.3553, 1.4984



9.2517, 22.3553, 15.8491



18.0281, 22.3553, 100.6672



# Rectangle

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



40.7143, 22.3553, 35.4268



36.3896, 22.3553, 5.8599



9.2517, 22.3553, 15.8491



11.0254, 22.3553, 63.6804

# Sweetspot

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



40.7150, 22.3565, 35.4272



75.5115, 66.6790, 84.6424



24.4438, 13.0352, 76.8291



15.6184, 13.3628, 17.3833



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.



40.7150, 22.3565, 35.4272



47.9650, 24.4387, 35.8371



35.5894, 20.3063, 8.4362



14.7346, 14.5110, 16.8031



21.0805, 10.5664, 14.5847



1.6035, 0.7991, 1.3187



# Inverse Universe

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



40.7150, 22.3565, 35.4272



47.9650, 24.4387, 35.8371



42.2815, 62.8226, 73.1824



14.7346, 14.5110, 16.8031



21.0805, 10.5664, 14.5847



1.6035, 0.7991, 1.3187



# Previews

## White Background



This preview shows how the XYZ color 40.7143, 22.3553, 35.4268 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 40.7143, 22.3553, 35.4268 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 40.7143, 22.3553, 35.4268**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.7143, 22.3553, 35.4268.



This preview shows how white text looks on a background with the XYZ color 40.7143, 22.3553,

35.4268.

# 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

40.7143, 22.3553, 35.4268

### Protanopia

24.6398, 22.7885, 65.3873

### Deuteranopia

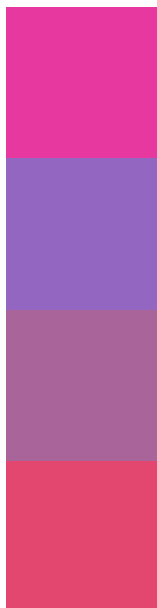
23.0068, 22.4814, 32.4049



## Tritanopia

35.4476, 22.2396, 10.8119

# Trichromacy



## Original Color

40.7143, 22.3553, 35.4268

## Protanomaly

26.2311, 19.4640, 52.8265

## Deuteranomaly

26.8486, 20.0755, 33.0317

## Tritanomaly

36.8564, 22.0072, 17.6345

# Monochromacy



## Original Color

40.7143, 22.3553, 35.4268

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

23.1451, 17.7722, 25.1322

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7143, 22.3553, 35.4268 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(231, 56, 160)` looks like.

```
.text, #text, p{  
    color:rgb(231, 56, 160)  
}
```

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(231, 56, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 56, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7143, 22.3553, 35.4268 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(231, 56, 160) }
```



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

```
.border{ border-color:rgb(231, 56, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 56, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 56, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 56, 160);  
box-shadow:4px 4px 4px 4px rgb(231, 56,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7143, 22.3553, 35.4268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 56, 160) }
```

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

```
.background{ background-color: rgb(231, 56,  
160) }
```

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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