

Converting Colors

XYZ(40.0366, 22.0701, 22.7796)

Have a look what the booklet for
XYZ(40.0366, 22.0701, 22.7796)
contains.

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Color

**XYZ(40.1606, 22.1357,
22.9248)**

Conversions

Conversions Part 1

Format	Color
Hex	ED3581
RGB	237, 53, 129
RGB Percent	93%, 21%, 51%
CMY	0.0706, 0.7921, 0.4941
CMYK	0.00, 0.78, 0.46, 0.07
HSL	335°, 84%, 57%
HSV	335°, 78%, 93%
XYZ	40.1606, 22.1357, 22.9248
YIQ	116.6800, 85.2680, 62.6440

Conversions

Conversions Part 2

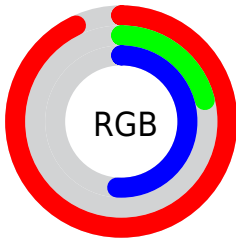
Format	Color
RYB	237, 53, 129
Decimal	15545729
CIELab	54.17, 72.74, 2.00
CIElCh	54, 72.763, 1.577
Yxy	22.1357, 0.4713, 0.2597
Android (android.graphics.Color)	4293735809 (0xFFED3581)
YUV	116.6800, 6.0738, 105.5206
Hunter-Lab	47.0486, 70.0323, 4.0445

Details

The XYZ color **40.1606, 22.1357, 22.9248** is a dark color, and the websafe version is hex **CC0066**. The color can be described as middle washed rose. A complement of this color would be **38.1873, 63.8992, 44.0455**, and the grayscale version is **16.7749, 17.6485, 19.2192**.

A 20% lighter version of the original color is **56.0448, 37.3600, 48.5133**, and **19.1272, 9.6931, 8.4523** is the 20% darker color. If you saturate the color by 10%, you get **38.4717, 20.1385, 18.1058**, and if you desaturate by 10%, it is **42.5102, 25.2528, 28.5855**.

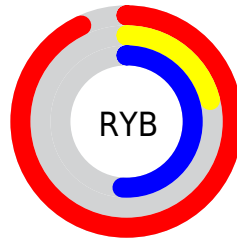
Distribution



Red (93%)

Green (21%)

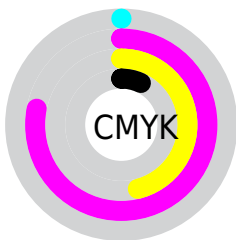
Blue (51%)



Red (93%)

Yellow (21%)

Blue (51%)

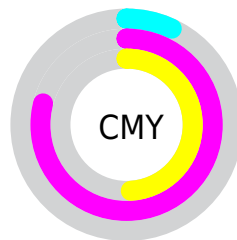


Cyan (0%)

Magenta (78%)

Yellow (46%)

Black (7%)



Cyan (7%)


Magenta (79%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1606, 22.1357, 22.9248 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 40.1606, 22.1357, 22.9248 by changing the saturation by 10% instead.

 40.1606, 22.1357,
22.9248


 40.1606, 22.1357,
22.9248


337.9228,
263.2541, 280.4479


 27.8486, 13.9566,
14.3332


 74.6908, 46.9702,
49.1914


 18.3514, 8.0905,
8.2114


 97.6396, 64.3944,
67.7036


 11.3038, 4.1529,
4.1408


 124.8648, 85.6691,
90.3597

 6.3403, 1.7595,
1.7029

 156.7317,
111.1787, 117.5782

 3.0957, 0.4617,
0.3627

 193.6055,
141.3076, 149.7778

 1.2046, 0.0000,
0.0000

235.8518,

 0.1100, 0.0000,

176.4402, 187.3769

0.0000

283.8358,
216.9609, 230.7941

■ 0.0000, 0.0000,
0.0000

■ 40.1606, 22.1357,
22.9248

■ 40.1606, 22.1357,
22.9248

■ 38.4717, 20.1385,
18.1058

■ 42.5102, 25.2528,
28.5855

■ 37.3435, 19.0694,
14.0699

■ 45.5928, 29.6268,
35.1352


■ 37.1240, 18.8841,
13.2142


■ 49.4725, 35.3786,
42.6175


■ 54.2055, 42.6139,
51.0726

■ 59.8429, 51.4279,
60.5377

 66.4313, 61.9079,
71.0478

 74.0142, 74.1346,
82.6361

 82.6322, 88.1836,
95.3342

 88.6076, 96.6935,
107.9335

Harmonies

Analogous

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



37.4179, 22.1357, 51.2912



40.1606, 22.1357, 22.9248



36.8077, 22.1357, 7.7491

Triad

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



40.1606, 22.1357, 22.9248



14.0477, 22.1357, 2.7945



14.6080, 22.1357, 86.1422

Complementary

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



40.1606, 22.1357, 22.9248



38.1873, 63.8992, 44.0455

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.



10.5734, 22.1357, 54.7982



40.1606, 22.1357, 22.9248



10.3114, 22.1357, 8.7633

Square

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



40.1606, 22.1357, 22.9248



20.6242, 22.1357, 1.5287



9.2183, 22.1357, 25.3189



21.4600, 22.1357, 98.9438

Rectangle

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



40.1606, 22.1357, 22.9248



31.9569, 22.1357, 3.5642



9.2183, 22.1357, 25.3189



12.9434, 22.1357, 76.7459

Sweetspot

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



40.1612, 22.1370, 22.9252



74.0532, 66.0956, 76.9631



31.1249, 16.1705, 81.6013



15.2668, 13.2222, 15.5320



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.



40.1612, 22.1370, 22.9252



44.5943, 22.9439, 18.5383



37.6560, 22.4379, 5.7161



15.3234, 15.1572, 16.9885



20.3301, 10.3347, 7.5394



1.6432, 0.8303, 0.8386

Inverse Universe

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



40.1612, 22.1370, 22.9252



44.5943, 22.9439, 18.5383



42.7880, 58.9378, 89.2416



15.3234, 15.1572, 16.9885



20.3301, 10.3347, 7.5394



1.6432, 0.8303, 0.8386

Previews

White Background



This preview shows how the XYZ color 40.1606, 22.1357, 22.9248 looks on a white background.

Color Contrast Check

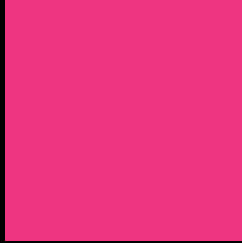
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.1606, 22.1357, 22.9248 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 40.1606, 22.1357, 22.9248

Background



This preview shows how black text looks on a background with the XYZ color 40.1606, 22.1357, 22.9248.



This preview shows how white text looks on a background with the XYZ color 40.1606, 22.1357,

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

40.1606, 22.1357, 22.9248

Protanopia

22.7332, 22.3070, 42.6427

Deuteranopia

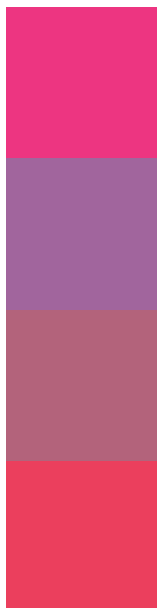
22.5778, 22.1343, 20.8517



Tritanopia

37.2295, 22.2165, 8.4569

Trichromacy



Original Color

40.1606, 22.1357, 22.9248

Protanomaly

25.4374, 19.3187, 34.2865

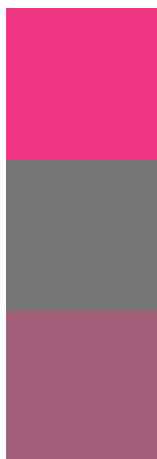
Deuteranomaly

26.6274, 19.9374, 21.1838

Tritanomaly

38.0142, 22.0075, 12.6002

Monochromacy



Original Color

40.1606, 22.1357, 22.9248

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

22.1518, 16.9630, 20.1958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1606, 22.1357, 22.9248 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(237, 53, 129)` looks like.

```
.text, #text, p{  
    color:rgb(237, 53, 129)  
}
```

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(237, 53, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 53, 129) }
```

Border

The CSS property to change the border of an element to XYZ 40.1606, 22.1357, 22.9248 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(237, 53, 129) }
```


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

```
.border{ border-color:rgb(237, 53, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 53, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 53, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 53, 129);  
box-shadow:4px 4px 4px 4px rgb(237, 53,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1606, 22.1357, 22.9248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 53, 129) }
```

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

```
.background{ background-color: rgb(237, 53,  
129) }
```

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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