

Converting Colors

XYZ(40.3770, 22.9298, 23.0798)

Have a look what the booklet for
XYZ(40.3770, 22.9298, 23.0798)
contains.

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Color

**XYZ(40.2771, 22.8631,
23.0591)**

Conversions

Conversions Part 1

Format	Color
Hex	EC3E81
RGB	236, 62, 129
RGB Percent	93%, 24%, 51%
CMY	0.0745, 0.7568, 0.4941
CMYK	0.00, 0.74, 0.45, 0.07
HSL	337°, 82%, 58%
HSV	337°, 74%, 93%
XYZ	40.2771, 22.8631, 23.0591
YIQ	121.6640, 82.1970, 57.7250

Conversions

Conversions Part 2

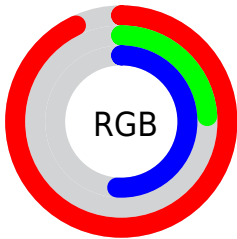
Format	Color
R_{YB}	236, 62, 129
Decimal	15482497
CIE _{Lab}	54.93, 69.82, 3.08
CIE _{LCh}	55, 69.888, 2.527
Yxy	22.8631, 0.4673, 0.2652
Android (android.graphics.Color)	4293672577 (0xFFEC3E81)
YUV	121.6640, 3.6166, 100.2727
Hunter-Lab	47.8154, 66.6819, 4.8780

Details

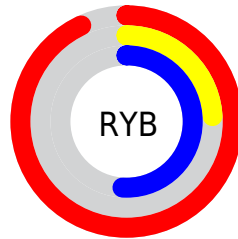
The XYZ color **40.2771, 22.8631, 23.0591** is a dark color, and the websafe version is hex **CC0066**. The color can be described as middle washed rose. A complement of this color would be **39.1452, 63.8802, 47.8087**, and the grayscale version is **18.3608, 19.3169, 21.0361**.

A 20% lighter version of the original color is **56.7665, 38.8033, 48.7538**, and **18.9035, 9.5779, 8.4418** is the 20% darker color. If you saturate the color by 10%, you get **38.3634, 20.4716, 17.9948**, and if you desaturate by 10%, it is **42.8858, 26.4254, 29.0316**.

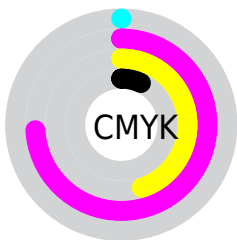
Distribution



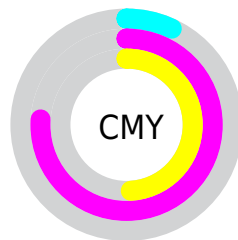
- Red (93%)
- Green (24%)
- Blue (51%)



- Red (93%)
- Yellow (24%)
- Blue (51%)



- Cyan (0%)
- Magenta (74%)
- Yellow (45%)
- Black (7%)





- Cyan (7%)
- Magenta (76%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2771, 22.8631, 23.0591 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 40.2771, 22.8631, 23.0591 by changing the saturation by 10% instead.


 40.2771, 22.8631,
23.0591


 40.2771, 22.8631,
23.0591


338.4045,
267.0211, 281.1601


 27.9398, 14.4925,
14.4314


 74.8669, 48.1684,
49.4148


 18.4205, 8.4640,
8.2792


 97.8502, 65.8719,
67.9799


 11.3538, 4.3932,
4.1838


 125.1129, 87.4551,
90.6945

 6.3744, 1.8959,
1.7267

 157.0203,
113.3025, 117.9773

 3.1169, 0.5459,
0.3789

 193.9379,
143.7984, 150.2467

 1.2159, 0.0000,
0.0000

236.2308,

 0.1188, 0.0000,

179.3272, 187.9213

0.0000

284.2646,
220.2733, 231.4196

■ 0.0000, 0.0000,
0.0000

■ 40.2771, 22.8631,
23.0591

■ 40.2771, 22.8631,
23.0591

■ 38.3634, 20.4716,
17.9948

■ 42.8858, 26.4254,
29.0316

■ 37.0591, 19.0888,
13.7811


■ 46.2572, 31.2850,
35.9608


■ 36.4744, 18.5858,
11.5318


■ 50.4523, 37.5559,
43.8927


■ 55.5252, 45.3385,
52.8692

■ 61.5253, 54.7241,
62.9296

 68.4980, 65.7965,
74.1110

 76.4858, 78.6338,
86.4487

 85.5285, 93.3090,
99.9761

 88.4019, 96.5728,
108.5889

Harmonies

Analogous

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



37.8152, 22.8631, 50.2297



40.2771, 22.8631, 23.0591



36.8725, 22.8631, 8.2749

Triad

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



40.2771, 22.8631, 23.0591



14.6623, 22.8631, 3.4635



15.5554, 22.8631, 85.2041

Complementary

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



40.2771, 22.8631, 23.0591



39.1452, 63.8802, 47.8087

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.



11.4321, 22.8631, 55.6165



40.2771, 22.8631, 23.0591



11.0092, 22.8631, 9.9397

Square

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



40.2771, 22.8631, 23.0591



21.0802, 22.8631, 1.9666



9.9840, 22.8631, 26.8238



22.3945, 22.8631, 96.5063

Rectangle

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



40.2771, 22.8631, 23.0591



32.1162, 22.8631, 4.0621



9.9840, 22.8631, 26.8238



13.8668, 22.8631, 76.4508

Sweetspot

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



40.2777, 22.8644, 23.0595



74.6250, 67.2547, 77.1058



32.6744, 17.6535, 81.0419



15.5208, 13.6822, 15.7641



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.



40.2777, 22.8644, 23.0595



44.9304, 23.5035, 18.9975



38.2875, 23.8322, 7.1413



15.3055, 15.1501, 16.8941



20.1641, 10.2683, 6.6653



1.6291, 0.8246, 0.7643

Inverse Universe

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



40.2777, 22.8644, 23.0595



44.9304, 23.5035, 18.9975



42.3551, 57.5356, 88.2297



15.3055, 15.1501, 16.8941



20.1641, 10.2683, 6.6653



1.6291, 0.8246, 0.7643

Previews

White Background



This preview shows how the XYZ color 40.2771, 22.8631, 23.0591 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 40.2771, 22.8631, 23.0591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

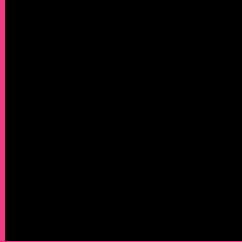
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.2771, 22.8631, 23.0591

Background



This preview shows how black text looks on a background with the XYZ color 40.2771, 22.8631, 23.0591.



This preview shows how white text looks on a background with the XYZ color 40.2771, 22.8631,

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

40.2771, 22.8631, 23.0591

Protanopia

23.3038, 23.2347, 40.7926

Deuteranopia

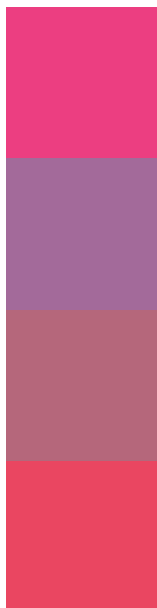
23.3740, 22.9244, 20.9622



Tritanopia

37.5316, 22.9203, 9.8431

Trichromacy



Original Color

40.2771, 22.8631, 23.0591

Protanomaly

26.0910, 20.4277, 33.1396

Deuteranomaly

27.4815, 20.9543, 21.3350

Tritanomaly

38.2795, 22.7358, 13.6802

Monochromacy



Original Color

40.2771, 22.8631, 23.0591

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

23.3631, 18.3815, 21.7187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2771, 22.8631, 23.0591 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(236, 62, 129)` looks like.

```
.text, #text, p{  
    color:rgb(236, 62, 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(236, 62, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 62, 129) }
```

Border

The CSS property to change the border of an element to XYZ 40.2771, 22.8631, 23.0591 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(236, 62, 129) }
```


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

```
.border{ border-color:rgb(236, 62, 129) }
```

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

Here you see how a box with a 4 pixel rgb(236, 62, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 62, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 62, 129);  
box-shadow:4px 4px 4px 4px rgb(236, 62,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2771, 22.8631, 23.0591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 62, 129) }
```

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

```
.background{ background-color: rgb(236, 62,  
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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