

Converting Colors

XYZ(63.1173, 41.0308, 83.1613)

Have a look what the booklet for
XYZ(63.1173, 41.0308, 83.1613)
contains.

XYZ(63.0728, 40.9329, 83.1738)	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(63.0728, 40.9329,
83.1738)**

Conversions

Conversions Part 1

Format	Color
Hex	FF79EB
RGB	255, 121, 235
RGB Percent	100%, 47%, 92%
CMY	0.0000, 0.5255, 0.0784
CMYK	0.00, 0.53, 0.08, 0.00
HSL	309°, 100%, 74%
HSV	309°, 53%, 100%
XYZ	63.0728, 40.9329, 83.1738
YIQ	174.0620, 43.2700, 63.8620

Conversions

Conversions Part 2

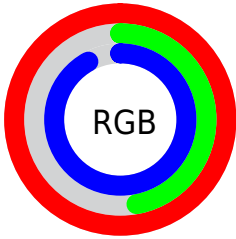
Format	Color
R _Y B	255, 121, 235
Decimal	16742891
CIE Lab	70.13, 64.87, -34.33
CIE LCh	70, 73.396, 332.114
Yxy	40.9329, 0.3370, 0.2187
Android (android.graphics.Color)	4294932971 (0xFFFF79EB)
YUV	174.0620, 30.0424, 70.9826
Hunter-Lab	63.9788, 64.0093, -32.2931

Details

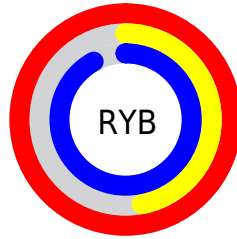
The XYZ color **63.0728, 40.9329, 83.1738** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.4542, 77.5087, 37.6085**, and the grayscale version is **40.1002, 42.1886, 45.9434**.

A 20% lighter version of the original color is **75.2104, 60.3208, 102.2868**, and **32.6791, 18.5454, 44.5051** is the 20% darker color. If you saturate the color by 10%, you get **59.8293, 35.3165, 79.4090**, and if you desaturate by 10%, it is **67.1486, 48.1949, 87.2752**.

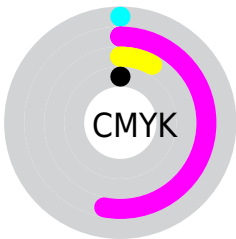
Distribution



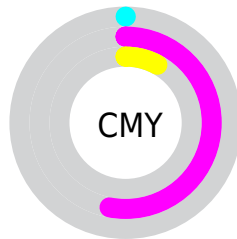
- Red (100%)
- Green (47%)
- Blue (92%)



- Red (100%)
- Yellow (47%)
- Blue (92%)



- Cyan (0%)
- Magenta (53%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (53%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0728, 40.9329, 83.1738 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 63.0728, 40.9329, 83.1738 by changing the saturation by 10% instead.


 63.0728, 40.9329,
83.1738


 63.0728, 40.9329,
83.1738


425.4891,
350.0401, 525.5517


 46.1590, 28.2667,
61.7921

 108.3558, 76.5820,
139.6703

 32.5764, 18.5268,
44.4300


 137.4556,
100.3337, 175.6221

 21.9598, 11.3288,
30.6690


 171.3482,
128.5493, 217.2677

 13.9438, 6.2885,
20.0906

210.3988,
161.6132, 265.0257

 8.1631, 3.0213,
12.2762

254.9728,
199.9099, 319.3146

 4.2521, 1.1428,
6.8073

305.4357,

 1.8457, 0.0143,

243.8236, 380.5528

3.2652

362.1526,
293.7389, 449.1590

■ 0.5450, 0.0000,
1.2316

■ 0.0000, 0.0000,
0.0047

■ 63.0728, 40.9329,
83.1738

■ 63.0728, 40.9329,
83.1738

■ 59.8293, 35.3165,
79.4090

■ 67.1486, 48.1949,
87.2752

■ 57.3494, 31.2087,
75.9558

■ 72.1130, 57.2152,
91.7306

■ 55.5577, 28.4585,
72.7894

■ 78.0204, 68.1025,
96.5591

■ 54.3617, 26.8814,
69.8786

■ 84.9200, 80.9551,
101.7775

■ 53.7565, 26.2666,
67.8412

■ 92.8577, 95.8645,
107.4014

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



52.5068, 40.9329, 127.2450



63.0728, 40.9329, 83.1738



66.8207, 40.9329, 42.1753

Triad

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



63.0728, 40.9329, 83.1738



38.0605, 40.9329, 5.7768



22.4511, 40.9329, 89.7397

Complementary

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



63.0728, 40.9329, 83.1738



48.4542, 77.5087, 37.6085

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.



20.1018, 40.9329, 47.0515



63.0728, 40.9329, 83.1738



27.8827, 40.9329, 8.7577

Square

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



63.0728, 40.9329, 83.1738



50.7268, 40.9329, 7.9593



21.8663, 40.9329, 20.2546



29.0802, 40.9329, 132.2145

Rectangle

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



63.0728, 40.9329, 83.1738



64.4377, 40.9329, 24.0328



21.8663, 40.9329, 20.2546



21.2043, 40.9329, 74.3629

Sweetspot

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



63.0737, 40.9345, 83.1746



82.4221, 76.2884, 99.9303



35.5143, 26.3743, 97.8267



17.3355, 15.7581, 21.1584



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.



63.0737, 40.9345, 83.1746



59.7008, 35.0986, 79.2458



55.3469, 37.8438, 42.4859



18.6693, 18.2510, 22.1414



28.1332, 13.7426, 35.6816



2.7695, 1.3502, 3.6337

Inverse Universe

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



63.0737, 40.9345, 83.1746



59.7008, 35.0986, 79.2458



54.7708, 80.0353, 70.8708



18.6693, 18.2510, 22.1414



28.1332, 13.7426, 35.6816



2.7695, 1.3502, 3.6337

Previews

White Background



This preview shows how the XYZ color 63.0728, 40.9329, 83.1738 looks on a white background.

Color Contrast Check

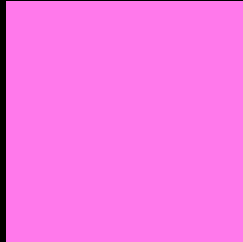
Large Text (above 18pt) WCAG AA × Fail

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 63.0728, 40.9329, 83.1738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

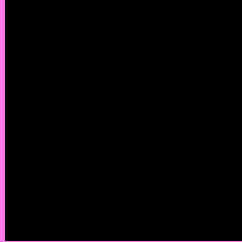
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.0728, 40.9329, 83.1738

Background



This preview shows how black text looks on a background with the XYZ color 63.0728, 40.9329, 83.1738.



This preview shows how white text looks on a background with the XYZ color 63.0728, 40.9329,

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

63.0728, 40.9329, 83.1738

Protanopia

43.3933, 41.3467, 100.3014

Deuteranopia

42.1536, 41.1911, 78.4020



Tritanopia

53.1168, 40.8769, 34.3686

Trichromacy



Original Color

63.0728, 40.9329, 83.1738



Protanomaly

47.7000, 39.3011, 93.8787



Deuteranomaly

47.5035, 39.5071, 79.9848



Tritanomaly

56.0355, 40.5673, 49.1329

Monochromacy



Original Color

63.0728, 40.9329, 83.1738



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

46.3138, 40.1247, 57.5284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0728, 40.9329, 83.1738 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(255, 121, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 235)  
}
```

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(255, 121, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 235) }
```

Border

The CSS property to change the border of an element to XYZ 63.0728, 40.9329, 83.1738 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(255, 121, 235) }
```


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

```
.border{ border-color:rgb(255, 121, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0728, 40.9329, 83.1738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 235) }
```

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

```
.background{ background-color: rgb(255,  
121, 235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor