

Converting Colors

XYZ(40.7475, 22.6863, 26.8401)

Have a look what the booklet for
XYZ(40.7475, 22.6863, 26.8401)
contains.

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Color

**XYZ(40.7653, 22.7231,
26.6635)**

Conversions

Conversions Part 1

Format	Color
Hex	EC3A8B
RGB	236, 58, 139
RGB Percent	93%, 23%, 55%
CMY	0.0745, 0.7725, 0.4549
CMYK	0.00, 0.75, 0.41, 0.07
HSL	333°, 82%, 58%
HSV	333°, 75%, 93%
XYZ	40.7653, 22.7231, 26.6635
YIQ	120.4560, 80.0870, 62.9270

Conversions

Conversions Part 2

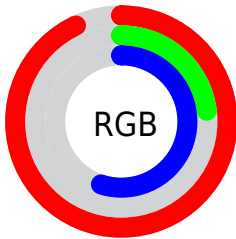
Format	Color
R_{YB}	236, 58, 139
Decimal	15481483
CIE _{Lab}	54.79, 71.96, -3.08
CIE _{LCh}	55, 72.023, 357.548
Yxy	22.7231, 0.4522, 0.2521
Android (android.graphics.Color)	4293671563 (0xFFEC3A8B)
YUV	120.4560, 9.1422, 101.3321
Hunter-Lab	47.6688, 69.2291, 0.2043

Details

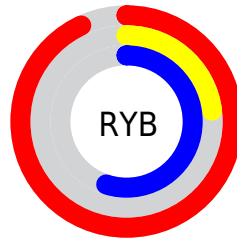
The XYZ color **40.7653, 22.7231, 26.6635** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **37.6585, 63.2577, 41.2411**, and the grayscale version is **17.9541, 18.8892, 20.5703**.

A 20% lighter version of the original color is **57.5918, 38.7405, 54.3114**, and **19.4824, 9.8352, 10.3227** is the 20% darker color. If you saturate the color by 10%, you get **38.9508, 20.5106, 21.6917**, and if you desaturate by 10%, it is **43.2364, 26.0717, 32.4000**.

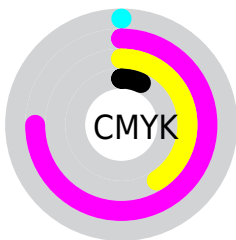
Distribution



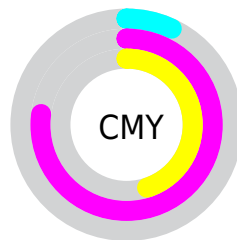
- Red (93%)
- Green (23%)
- Blue (55%)



- Red (93%)
- Yellow (23%)
- Blue (55%)



- Cyan (0%)
- Magenta (75%)
- Yellow (41%)
- Black (7%)





- Cyan (7%)
- Magenta (77%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7653, 22.7231, 26.6635 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 40.7653, 22.7231, 26.6635 by changing the saturation by 10% instead.


 40.7653, 22.7231,
26.6635


 40.7653, 22.7231,
26.6635

340.4181,
266.2996, 299.7326


 28.3226, 14.3892,
17.0905


 75.6044, 47.9383,
55.3406


 18.7107, 8.3918,
10.1364


 98.7316, 65.5883,
75.2817


 11.5642, 4.3467,
5.3827


 126.1509, 87.1125,
99.5159

 6.5177, 1.8693,
2.4109

 158.2279,
112.8952, 128.4618

 3.2060, 0.5298,
0.7923

 195.3277,
143.3209, 162.5379

 1.2636, 0.0000,
0.0000

237.8157,

 0.1557, 0.0000,

178.7739, 202.1627

0.0000

286.0574,
219.6387, 247.7547

■ 0.0000, 0.0000,
0.0000

■ 40.7653, 22.7231,
26.6635

■ 40.7653, 22.7231,
26.6635

■ 38.9508, 20.5106,
21.6917

■ 43.2364, 26.0717,
32.4000

■ 37.7058, 19.2664,
17.4362


■ 46.4317, 30.6860,
38.9413


■ 37.2661, 18.9025,
15.7005


■ 50.4119, 36.6819,
46.3247


■ 55.2306, 44.1609,
54.5845

■ 60.9362, 53.2152,
63.7525

 67.5734, 63.9291,
73.8589

 75.1839, 76.3810,
84.9320

 83.8065, 90.6445,
96.9991

 88.3624, 96.5570,
108.3807

Harmonies

Analogous

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



37.2453, 22.7231, 56.4746



40.7653, 22.7231, 26.6635



38.1944, 22.7231, 9.5095

Triad

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



40.7653, 22.7231, 26.6635



15.2682, 22.7231, 2.6814



14.3862, 22.7231, 83.1658

Complementary

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



40.7653, 22.7231, 26.6635



37.6585, 63.2577, 41.2411

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.



10.6771, 22.7231, 51.0319



40.7653, 22.7231, 26.6635



11.0915, 22.7231, 7.8946

Square

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



40.7653, 22.7231, 26.6635



22.2587, 22.7231, 1.7103



9.6375, 22.7231, 22.9143



20.9498, 22.7231, 99.3773

Rectangle

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



40.7653, 22.7231, 26.6635



33.6533, 22.7231, 4.4524



9.6375, 22.7231, 22.9143



12.8316, 22.7231, 73.1762

Sweetspot

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



40.7659, 22.7244, 26.6639



74.3832, 66.2276, 78.7009



29.7794, 15.8500, 80.8465



15.3460, 13.2538, 15.9491



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.



40.7659, 22.7244, 26.6639



45.4771, 23.4435, 22.7360



37.1864, 21.7992, 6.2525



15.3505, 15.1680, 17.1309



20.6053, 10.4448, 8.9889



1.6660, 0.8394, 0.9585

Inverse Universe

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



40.7659, 22.7244, 26.6639



45.4771, 23.4435, 22.7360



45.2014, 63.5869, 89.2478



15.3505, 15.1680, 17.1309



20.6053, 10.4448, 8.9889



1.6660, 0.8394, 0.9585

Previews

White Background



This preview shows how the XYZ color 40.7653, 22.7231, 26.6635 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 40.7653, 22.7231, 26.6635 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 40.7653, 22.7231, 26.6635

Background



This preview shows how black text looks on a background with the XYZ color 40.7653, 22.7231, 26.6635.



This preview shows how white text looks on a background with the XYZ color 40.7653, 22.7231,

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

40.7653, 22.7231, 26.6635

Protanopia

23.7046, 23.0708, 48.5511

Deuteranopia

23.2957, 22.8102, 24.2941



Tritanopia

37.1699, 22.7380, 9.6375

Trichromacy



Original Color

40.7653, 22.7231, 26.6635

Protanomaly

26.3163, 20.0987, 39.5382

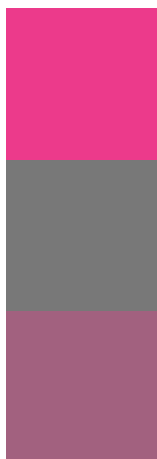
Deuteranomaly

27.3451, 20.6612, 24.7371

Tritanomaly

38.0326, 22.5000, 14.3950

Monochromacy



Original Color

40.7653, 22.7231, 26.6635

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

23.0058, 17.7631, 22.2948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7653, 22.7231, 26.6635 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, 58, 139)` looks like.

```
.text, #text, p{  
    color:rgb(236, 58, 139)  
}
```

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, 58, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 58, 139) }
```

Border

The CSS property to change the border of an element to XYZ 40.7653, 22.7231, 26.6635 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, 58, 139) }
```


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

```
.border{ border-color:rgb(236, 58, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 58, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 58, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 58, 139);  
box-shadow:4px 4px 4px 4px rgb(236, 58,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7653, 22.7231, 26.6635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 58, 139) }
```

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

```
.background{ background-color: rgb(236, 58,  
139) }
```

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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