

Converting Colors

XYZ(42.7188, 24.0117, 29.3475)

Have a look what the booklet for
XYZ(42.7188, 24.0117, 29.3475)
contains.

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Color

**XYZ(42.7686, 24.0148,
29.1692)**

Conversions

Conversions Part 1

Format	Color
Hex	F03E91
RGB	240, 62, 145
RGB Percent	94%, 24%, 57%
CMY	0.0588, 0.7568, 0.4314
CMYK	0.00, 0.74, 0.40, 0.06
HSL	332°, 86%, 59%
HSV	332°, 74%, 94%
XYZ	42.7686, 24.0148, 29.1692
YIQ	124.6840, 79.4450, 63.5490

Conversions

Conversions Part 2

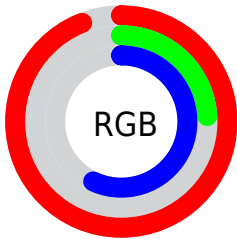
Format	Color
R _Y B	240, 62, 145
Decimal	15744657
CIE Lab	56.10, 72.36, -4.61
CIE LCh	56, 72.507, 356.351
Yxy	24.0148, 0.4457, 0.2503
Android (android.graphics.Color)	4293934737 (0xFFFF03E91)
YUV	124.6840, 10.0158, 101.1321
Hunter-Lab	49.0049, 70.0258, -0.9878

Details

The XYZ color **42.7686, 24.0148, 29.1692** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **39.2342, 65.7793, 42.5322**, and the grayscale version is **19.3373, 20.3443, 22.1550**.

A 20% lighter version of the original color is **58.7565, 39.7988, 58.6180**, and **20.6560, 10.4099, 11.7471** is the 20% darker color. If you saturate the color by 10%, you get **40.8065, 21.5834, 23.9135**, and if you desaturate by 10%, it is **45.4191, 27.6448, 35.2043**.

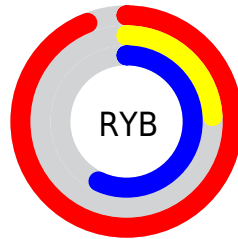
Distribution



Red (94%)

Green (24%)

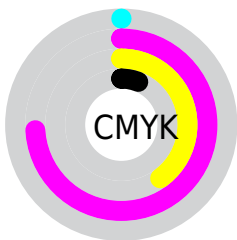
Blue (57%)



Red (94%)

Yellow (24%)

Blue (57%)

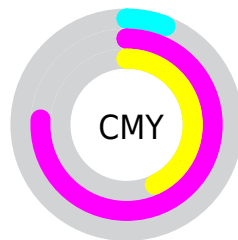


Cyan (0%)

Magenta (74%)

Yellow (40%)

Black (6%)



Cyan (6%)


Magenta (76%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7686, 24.0148, 29.1692 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 42.7686, 24.0148, 29.1692 by changing the saturation by 10% instead.

 42.7686, 24.0148,
29.1692


 42.7686, 24.0148,
29.1692


348.5969,
272.8953, 312.0983

 29.8973, 15.3446,
18.9622


 78.6194, 50.0544,
59.3912


 19.9084, 9.0616,
11.4664


 102.3297, 68.1925,
80.2432


 12.4363, 4.7814,
6.2634

 130.3837, 90.2554,
105.4807

 7.1159, 2.1196,
2.9345

 163.1468,
116.6275, 135.5221

 3.5816, 0.6756,
1.0613

 200.9843,
147.6931, 170.7861

 1.4683, 0.0000,
0.0000

244.2616,

 0.3041, 0.0000,

183.8367, 211.6911

0.0000

293.3440,
225.4426, 258.6556

■ 0.0000, 0.0000,
0.0000

■ 42.7686, 24.0148,
29.1692

■ 42.7686, 24.0148,
29.1692

■ 40.8065, 21.5834,
23.9135

■ 45.4191, 27.6448,
35.2043

■ 39.4450, 20.1807,
19.3892


■ 48.8268, 32.6055,
42.0584


■ 38.8543, 19.6929,
17.0539


■ 53.0539, 39.0155,
49.7691


■ 58.1551, 46.9794,
58.3704

■ 64.1802, 56.5919,
67.8942

 71.1752, 67.9399,
78.3706

 79.1828, 81.1045,
89.8280

 88.2432, 96.1613,
102.2935

 89.7451, 97.2652,
108.6517

Harmonies

Analogous

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



38.8742, 24.0148, 60.5755



42.7686, 24.0148, 29.1692



40.3422, 24.0148, 10.6436

Triad

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



42.7686, 24.0148, 29.1692



16.4432, 24.0148, 2.8442



15.0683, 24.0148, 85.7200

Complementary

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



42.7686, 24.0148, 29.1692



39.2342, 65.7793, 42.5322

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.



11.2941, 24.0148, 52.1677



42.7686, 24.0148, 29.1692



11.9421, 24.0148, 8.1069

Square

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



42.7686, 24.0148, 29.1692



23.8572, 24.0148, 1.9087



10.3061, 24.0148, 23.3430



21.8237, 24.0148, 103.5420

Rectangle

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



42.7686, 24.0148, 29.1692



35.7233, 24.0148, 5.0484



10.3061, 24.0148, 23.3430



13.4788, 24.0148, 75.1913

Sweetspot

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



42.7693, 24.0161, 29.1696



75.2388, 67.5002, 80.3384



31.3441, 16.8997, 84.0479



15.6649, 13.7399, 16.5231



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.



42.7693, 24.0161, 29.1696



45.9503, 23.8104, 24.6798



38.8688, 23.0007, 6.9501



16.0795, 15.8815, 17.9748



21.3353, 10.8066, 9.6823



1.8247, 0.9189, 1.0677

Inverse Universe

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



42.7693, 24.0161, 29.1696



45.9503, 23.8104, 24.6798



47.1574, 66.1995, 92.7303



16.0795, 15.8815, 17.9748



21.3353, 10.8066, 9.6823



1.8247, 0.9189, 1.0677

Previews

White Background



This preview shows how the XYZ color 42.7686, 24.0148, 29.1692 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 42.7686, 24.0148, 29.1692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

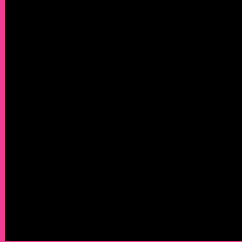
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.7686, 24.0148, 29.1692

Background



This preview shows how black text looks on a background with the XYZ color 42.7686, 24.0148, 29.1692.



This preview shows how white text looks on a background with the XYZ color 42.7686, 24.0148,

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

42.7686, 24.0148, 29.1692

Protanopia

25.0179, 24.2747, 52.0821

Deuteranopia

24.5929, 24.2132, 26.6700



Tritanopia

38.9494, 24.0494, 10.7727

Trichromacy



Original Color

42.7686, 24.0148, 29.1692

Protanomaly

27.7980, 21.2528, 42.6815

Deuteranomaly

28.8703, 21.9959, 27.1501

Tritanomaly

39.9091, 23.8102, 16.1281

Monochromacy



Original Color

42.7686, 24.0148, 29.1692

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

24.8526, 19.3842, 24.2614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7686, 24.0148, 29.1692 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(240, 62, 145)` looks like.

```
.text, #text, p{  
    color:rgb(240, 62, 145)  
}
```

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(240, 62, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 62, 145) }
```

Border

The CSS property to change the border of an element to XYZ 42.7686, 24.0148, 29.1692 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(240, 62, 145) }
```


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

```
.border{ border-color:rgb(240, 62, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 62, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 62, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 62, 145);  
box-shadow:4px 4px 4px 4px rgb(240, 62,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7686, 24.0148, 29.1692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 62, 145) }
```

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

```
.background{ background-color: rgb(240, 62,  
145) }
```

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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