

Converting Colors

XYZ(12.2888, 12.0724, 29.2863)

Have a look what the booklet for
XYZ(12.2888, 12.0724, 29.2863)
contains.

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Color

**XYZ(12.2888, 12.0724,
29.2863)**

Conversions

Conversions Part 1

Format	Color
Hex	496193
RGB	73, 97, 147
RGB Percent	29%, 38%, 58%
CMY	0.7137, 0.6196, 0.4235
CMYK	0.50, 0.34, 0.00, 0.42
HSL	221°, 34%, 43%
HSV	221°, 50%, 58%
XYZ	12.2888, 12.0724, 29.2863
YIQ	95.5240, -30.3540, 10.4620

Conversions

Conversions Part 2

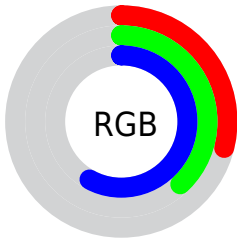
Format	Color
R_{YB}	73, 91, 147
Decimal	4809107
CIE _{Lab}	41.33, 5.71, -30.26
CIE _{LCh}	41, 30.790, 280.693
Yxy	12.0724, 0.2291, 0.2250
Android (android.graphics.Color)	4282999187 (0xFF496193)
YUV	95.5240, 25.3777, -19.7535
Hunter-Lab	34.7454, 2.3278, -25.6528

Details

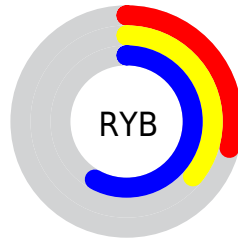
The XYZ color **12.2888, 12.0724, 29.2863** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.3188, 20.8508, 9.2576**, and the grayscale version is **10.9495, 11.5197, 12.5450**.

A 20% lighter version of the original color is **29.5805, 29.5201, 59.3972**, and **3.5088, 3.3223, 11.5227** is the 20% darker color. If you saturate the color by 10%, you get **10.4429, 9.8428, 28.9535**, and if you desaturate by 10%, it is **14.5138, 14.6685, 29.6704**.

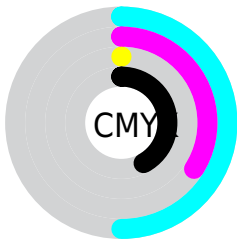
Distribution



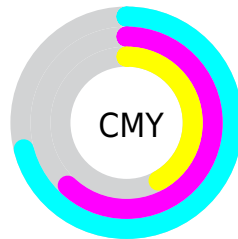
- Red (29%)
- Green (38%)
- Blue (58%)



- Red (29%)
- Yellow (36%)
- Blue (58%)



- Cyan (50%)
- Magenta (34%)
- Yellow (0%)
- Black (42%)



- Cyan (71%)
- Magenta (62%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2888, 12.0724, 29.2863 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 12.2888, 12.0724, 29.2863 by changing the saturation by 10% instead.

■ 12.2888, 12.0724,
29.2863

■ 12.2888, 12.0724,
29.2863

200.0391,
204.8840, 312.6665

■ 7.0143, 6.7930,
19.0501

■ 29.6323, 29.6269,
59.5793

■ 3.5174, 3.3330,
11.5293

■ 42.4320, 42.6708,
80.4731

■ 1.4329, 1.3079,
6.3054

■ 58.4709, 59.0716,
105.7565

■ 0.2795, 0.1473,
2.9599

■ 78.1142, 79.2138,
135.8480

■ 0.0000, 0.0000,
1.0742

■ 101.7273,
103.4818, 171.1663

■ 0.0000, 0.0000,
0.0000

129.6755,

132.2599, 212.1297

162.3244,
165.9325, 259.1570

■ 12.2888, 12.0724,
29.2863

■ 12.2888, 12.0724,
29.2863

■ 10.4429, 9.8428,
28.9535

■ 14.5138, 14.6685,
29.6704

■ 8.9516, 7.9601,
28.6687

■ 17.1376, 17.6466,
30.1069

■ 7.7897, 6.4049,
28.4297

■ 20.1801, 21.0227,
30.5982

■ 6.9273, 5.1547,
28.2339

■ 23.6592, 24.8116,
31.1462

■ 6.3101, 4.1939,
28.0809

■ 27.5920, 29.0273,
31.7526

■ 31.9946, 33.6829,
32.4192

■ 36.8821, 38.7912,
33.1476

■ 42.2692, 44.3643,
33.9394

■ 48.1697, 50.4139,
34.7961

Harmonies

Analogous

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



10.1140, 12.0724, 28.4792



12.2888, 12.0724, 29.2863



14.5042, 12.0724, 24.8311

Triad

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



12.2888, 12.0724, 29.2863



15.0433, 12.0724, 6.6524



7.8840, 12.0724, 9.4874

Complementary

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



12.2888, 12.0724, 29.2863



20.3188, 20.8508, 9.2576

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.



8.8990, 12.0724, 5.8578



12.2888, 12.0724, 29.2863



12.9518, 12.0724, 4.6261

Square

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



12.2888, 12.0724, 29.2863



16.2261, 12.0724, 10.9948



10.6969, 12.0724, 4.3922



7.7549, 12.0724, 15.5582

Rectangle

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



12.2888, 12.0724, 29.2863



15.6356, 12.0724, 20.1208



10.6969, 12.0724, 4.3922



8.1260, 12.0724, 8.0023

Sweetspot

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



12.2892, 12.0728, 29.2866



39.1734, 40.9671, 55.2774



16.7154, 23.6977, 22.2145



8.6732, 9.0582, 12.5761



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.2892, 12.0728, 29.2866



18.4370, 17.2999, 51.8021



11.4262, 8.8192, 28.7041



5.6439, 5.9219, 7.3153



5.4911, 3.6770, 24.3514



0.0918, 0.0942, 0.3062

Inverse Universe

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



16.5732, 11.8317, 12.7198



27.1888, 17.5553, 17.7899



21.5748, 26.4721, 10.2765



5.8737, 5.8446, 6.4412



10.8987, 5.5645, 2.9478



0.1458, 0.0731, 0.1014

Previews

White Background



This preview shows how the XYZ color 12.2888, 12.0724, 29.2863 looks on a white 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

Black Background



This preview shows how the XYZ color 12.2888, 12.0724, 29.2863 looks on a black 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

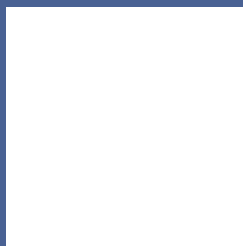
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2888, 12.0724, 29.2863

Background



This preview shows how black text looks on a background with the XYZ color 12.2888, 12.0724, 29.2863.



This preview shows how white text looks on a background with the XYZ color 12.2888, 12.0724,

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

12.2888, 12.0724, 29.2863

Protanopia

12.6794, 12.1465, 28.8704

Deuteranopia

12.3652, 12.1118, 29.2899



Tritanopia

9.8616, 12.0946, 17.1440

Trichromacy



Original Color

12.2888, 12.0724, 29.2863

Protanomaly

12.4317, 12.0188, 28.8588

Deuteranomaly

12.3652, 12.1118, 29.2899

Tritanomaly

10.6021, 11.9463, 21.1491

Monochromacy



Original Color

12.2888, 12.0724, 29.2863

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.3019, 11.6783, 17.8781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2888, 12.0724, 29.2863 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(73, 97, 147)` looks like.

```
.text, #text, p{  
    color:rgb(73, 97, 147)  
}
```

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(73, 97, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 97, 147) }
```

Border

The CSS property to change the border of an element to XYZ 12.2888, 12.0724, 29.2863 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(73, 97, 147) }
```


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

```
.border{ border-color:rgb(73, 97, 147) }
```

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

Here you see how a box with a 4 pixel rgb(73, 97, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 97, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 97, 147);  
box-shadow:4px 4px 4px 4px rgb(73, 97,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2888, 12.0724, 29.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 97, 147) }
```

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

```
.background{ background-color: rgb(73, 97,  
147) }
```

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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