

Converting Colors

XYZ(12.7318, 10.5868, 42.9674)

Have a look what the booklet for
XYZ(12.7318, 10.5868, 42.9674)
contains.

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Color

**XYZ(12.7318, 10.5868,
42.9674)**

Conversions

Conversions Part 1

Format	Color
Hex	3556B1
RGB	53, 86, 177
RGB Percent	21%, 34%, 69%
CMY	0.7921, 0.6627, 0.3059
CMYK	0.70, 0.51, 0.00, 0.31
HSL	224°, 54%, 45%
HSV	224°, 70%, 69%
XYZ	12.7318, 10.5868, 42.9674
YIQ	86.5070, -48.8790, 21.3050

Conversions

Conversions Part 2

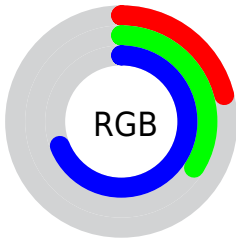
Format	Color
RYB	53, 79, 177
Decimal	3495601
CIELab	38.88, 19.30, -52.08
CIElCh	39, 55.545, 290.331
Yxy	10.5868, 0.1921, 0.1597
Android (android.graphics.Color)	4281685681 (0xFF3556B1)
YUV	86.5070, 44.6130, -29.3856
Hunter-Lab	32.5374, 12.9063, -55.5196

Details

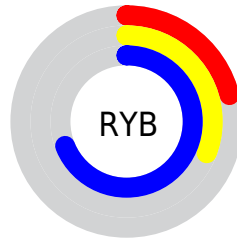
The XYZ color **12.7318, 10.5868, 42.9674** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **28.7487, 29.5531, 7.5582**, and the grayscale version is **8.8692, 9.3311, 10.1615**.

A 20% lighter version of the original color is **30.3114, 26.7885, 80.6639**, and **4.4031, 3.0860, 19.1025** is the 20% darker color. If you saturate the color by 10%, you get **11.0227, 8.3035, 42.6170**, and if you desaturate by 10%, it is **14.9740, 13.4249, 43.3973**.

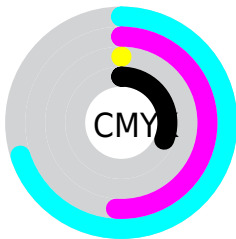
Distribution



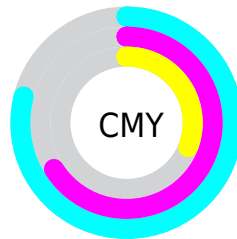
- Red (21%)
- Green (34%)
- Blue (69%)



- Red (21%)
- Yellow (31%)
- Blue (69%)



- Cyan (70%)
- Magenta (51%)
- Yellow (0%)
- Black (31%)



- Cyan (79%)
- Magenta (66%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7318, 10.5868, 42.9674 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 12.7318, 10.5868, 42.9674 by changing the saturation by 10% instead.

■ 12.7318, 10.5868,
42.9674

■ 12.7318, 10.5868,
42.9674

202.8641,
194.8104, 374.3950

■ 7.3198, 5.7897,
29.5283

■ 30.4265, 26.8935,
80.9475

■ 3.7110, 2.7176,
19.2318

■ 43.4400, 39.1719,
106.3256

■ 1.5400, 0.9862,
11.6594

■ 59.7181, 54.7129,
136.5204

■ 0.3528, 0.0000,
6.3925

■ 79.6260, 73.9009,
171.9506

■ 0.0000, 0.0000,
3.0126

■ 103.5293, 97.1203,
213.0346

■ 0.0000, 0.0000,
1.1011

131.7931,

■ 0.0000, 0.0000,

124.7553, 260.1909

0.0000

164.7830,
157.1906, 313.8382

■ 12.7318, 10.5868,
42.9674

■ 12.7318, 10.5868,
42.9674

■ 11.0227, 8.3035,
42.6170

■ 14.9740, 13.4249,
43.3973

■ 9.7949, 6.5330,
42.3400

■ 17.7912, 16.8532,
43.9105

■ 8.9563, 5.2152,
42.1298

■ 21.2225, 20.9051,
44.5118

■ 25.3033, 25.6111,
45.2050

■ 30.0658, 30.9995,
45.9941

■ 35.5403, 37.0968,
46.8825

■ 41.7552, 43.9283,
47.8735

■ 48.7371, 51.5178,
48.9704

■ 56.5116, 59.8881,
50.1763

Harmonies

Analogous

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



8.9181, 10.5868, 45.3576



12.7318, 10.5868, 42.9674



16.5648, 10.5868, 29.9506

Triad

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



12.7318, 10.5868, 42.9674



15.2999, 10.5868, 1.8981



4.5672, 10.5868, 8.4425

Complementary

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



12.7318, 10.5868, 42.9674



28.7487, 29.5531, 7.5582

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.



5.5327, 10.5868, 2.8175



12.7318, 10.5868, 42.9674



11.3007, 10.5868, 0.8579

Square

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



12.7318, 10.5868, 42.9674



18.2808, 10.5868, 5.8145



7.7950, 10.5868, 1.0469



4.7715, 10.5868, 20.1175

Rectangle

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



12.7318, 10.5868, 42.9674



18.3225, 10.5868, 19.7999



7.7950, 10.5868, 1.0469



4.7545, 10.5868, 5.9552

Sweetspot

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



12.7323, 10.5871, 42.9677



52.6610, 54.1869, 82.1789



22.2200, 34.2132, 31.7925



10.8994, 11.1649, 17.7249



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



12.7323, 10.5871, 42.9677



18.4568, 13.0554, 76.0425



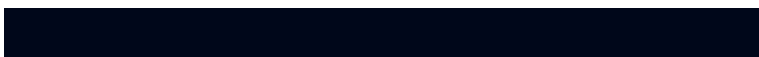
12.6837, 7.5124, 42.3768



8.2198, 8.5858, 10.7303



6.5328, 3.8659, 30.5389



0.2546, 0.2197, 0.9772

Inverse Universe

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



21.0848, 12.5660, 10.1184



34.8879, 18.7510, 11.0166



28.5902, 38.0039, 9.1977



8.5861, 8.5412, 9.3191



13.5321, 6.9304, 2.6960



0.4505, 0.2280, 0.2151

Previews

White Background



This preview shows how the XYZ color 12.7318, 10.5868, 42.9674 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 12.7318, 10.5868, 42.9674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

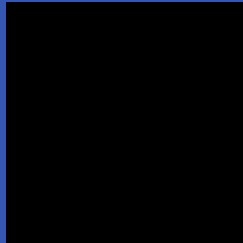
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7318, 10.5868, 42.9674

Background



This preview shows how black text looks on a background with the XYZ color 12.7318, 10.5868, 42.9674.



This preview shows how white text looks on a background with the XYZ color 12.7318, 10.5868,

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

12.7318, 10.5868, 42.9674

Protanopia

12.2861, 10.5742, 44.0413

Deuteranopia

10.5252, 10.4730, 36.1171



Tritanopia

7.4140, 10.4115, 16.0869

Trichromacy



Original Color

12.7318, 10.5868, 42.9674

Protanomaly

12.3585, 10.5022, 43.4952

Deuteranomaly

10.9926, 10.2779, 38.4503

Tritanomaly

8.7545, 10.2254, 24.0665

Monochromacy



Original Color

12.7318, 10.5868, 42.9674

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.7000, 9.6683, 19.1242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7318, 10.5868, 42.9674 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(53, 86, 177)` looks like.

```
.text, #text, p{  
    color:rgb(53, 86, 177)  
}
```

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(53, 86, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 86, 177) }
```

Border

The CSS property to change the border of an element to XYZ 12.7318, 10.5868, 42.9674 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(53, 86, 177) }
```


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

```
.border{ border-color:rgb(53, 86, 177) }
```

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

Here you see how a box with a 4 pixel rgb(53, 86, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 86, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 86, 177);  
box-shadow:4px 4px 4px 4px rgb(53, 86,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7318, 10.5868, 42.9674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 86, 177) }
```

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

```
.background{ background-color: rgb(53, 86,  
177) }
```

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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