

Converting Colors

XYZ(12.3372, 15.6718, 24.2045)

Have a look what the booklet for
XYZ(12.3372, 15.6718, 24.2045)
contains.

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Color

**XYZ(12.3372, 15.6718,
24.2045)**

Conversions

Conversions Part 1

Format	Color
Hex	377784
RGB	55, 119, 132
RGB Percent	22%, 47%, 52%
CMY	0.7843, 0.5333, 0.4823
CMYK	0.58, 0.10, 0.00, 0.48
HSL	190°, 41%, 37%
HSV	190°, 58%, 52%
XYZ	12.3372, 15.6718, 24.2045
YIQ	101.3460, -42.3170, -9.5250

Conversions

Conversions Part 2

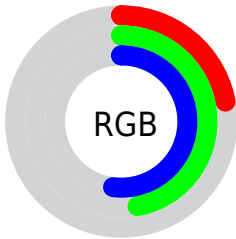
Format	Color
RYB	55, 90, 132
Decimal	3635076
CIELab	46.54, -16.41, -13.33
CIElCh	47, 21.141, 219.075
Yxy	15.6718, 0.2363, 0.3001
Android (android.graphics.Color)	4281825156 (0xFF377784)
YUV	101.3460, 15.1124, -40.6454
Hunter-Lab	39.5876, -13.6501, -8.5395

Details

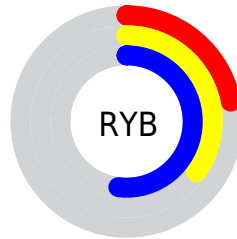
The XYZ color **12.3372, 15.6718, 24.2045** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.2728, 9.3160, 4.7662**, and the grayscale version is **12.4295, 13.0768, 14.2406**.

A 20% lighter version of the original color is **29.6265, 35.8798, 51.2630**, and **3.7515, 5.0049, 8.9519** is the 20% darker color. If you saturate the color by 10%, you get **11.4466, 14.8239, 24.0881**, and if you desaturate by 10%, it is **13.4284, 16.6330, 24.3328**.

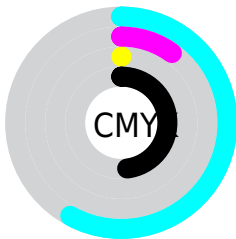
Distribution



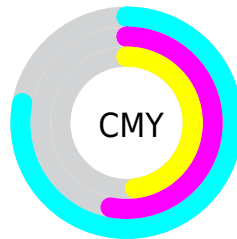
- Red (22%)
- Green (47%)
- Blue (52%)



- Red (22%)
- Yellow (35%)
- Blue (52%)



- Cyan (58%)
- Magenta (10%)
- Yellow (0%)
- Black (48%)



- Cyan (78%)
- Magenta (53%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3372, 15.6718, 24.2045 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 12.3372, 15.6718, 24.2045 by changing the saturation by 10% instead.

■ 12.3372, 15.6718,
24.2045

■ 12.3372, 15.6718,
24.2045

■ 200.3497,
227.3972, 287.1725

■ 7.0476, 9.2922,
15.2718

■ 29.7193, 36.0275,
51.3117

■ 3.5385, 4.9323,
8.8616

■ 42.5426, 50.7724,
70.3233

■ 1.4445, 2.2076,
4.5554

■ 58.6077, 69.0745,
93.5316

■ 0.2876, 0.7241,
1.9347

■ 78.2801, 91.3182,
121.3551

■ 0.0000, 0.0000,
0.5147

■ 101.9252,
117.8880, 154.2124

■ 0.0000, 0.0000,
0.0000

■ 129.9082,

149.1681, 192.5221

162.5946,
185.5431, 236.7026

■ 12.3372, 15.6718,
24.2045

■ 12.3372, 15.6718,
24.2045

■ 11.4466, 14.8239,
24.0881

■ 13.4284, 16.6330,
24.3328

■ 10.7394, 14.0794,
23.9816

■ 14.7329, 17.7132,
24.4725

■ 10.1977, 13.4293,
23.8847

■ 16.2641, 18.9195,
24.6247

■ 9.7779, 12.8511,
23.7952

■ 18.0336, 20.2582,
24.7898

■ 9.7103, 12.7567,
23.7806

■ 20.0524, 21.7348,
24.9684

■ 22.3308, 23.3548,
25.1610

■ 24.8785, 25.1233,
25.3681

■ 27.7046, 27.0448,
25.5901

■ 30.8179, 29.1242,
25.8273

Harmonies

Analogous

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



11.6960, 15.6718, 18.6964



12.3372, 15.6718, 24.2045



13.6787, 15.6718, 28.2603

Triad

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



12.3372, 15.6718, 24.2045



18.4146, 15.6718, 20.9054



14.3496, 15.6718, 8.9478

Complementary

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



12.3372, 15.6718, 24.2045



12.2728, 9.3160, 4.7662

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.



16.1826, 15.6718, 9.3011



12.3372, 15.6718, 24.2045



18.6312, 15.6718, 15.5293

Square

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



12.3372, 15.6718, 24.2045



17.2156, 15.6718, 26.1018



17.7852, 15.6718, 11.4871



12.7939, 15.6718, 10.3980

Rectangle

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



12.3372, 15.6718, 24.2045



14.8391, 15.6718, 29.1952



17.7852, 15.6718, 11.4871



14.9522, 15.6718, 8.8672

Sweetspot

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



12.3377, 15.6724, 24.2049



32.0849, 35.9212, 43.6956



10.8655, 17.7304, 8.2923



7.3406, 8.2670, 10.1615



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.3377, 15.6724, 24.2049



19.7264, 25.6689, 42.3680



8.6585, 8.3141, 22.9785



4.7365, 5.1487, 5.9449



9.4052, 12.3582, 23.0264



0.0370, 0.0516, 0.0812

Inverse Universe

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



14.2121, 8.9702, 18.4357



23.5152, 13.2544, 30.4525



15.3941, 15.5587, 5.8066



4.8250, 4.7497, 5.6910



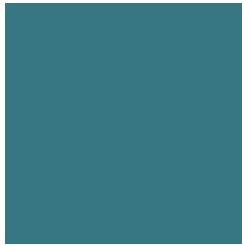
11.9254, 5.8345, 14.7114



0.0435, 0.0211, 0.0626

Previews

White Background



This preview shows how the XYZ color 12.3372, 15.6718, 24.2045 looks on a white background.

Color Contrast Check

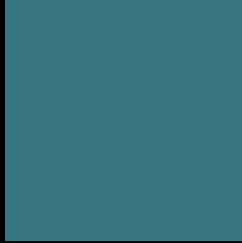
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3372, 15.6718, 24.2045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

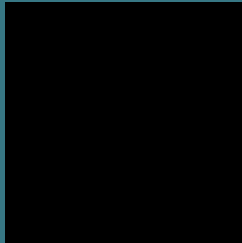
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3372, 15.6718, 24.2045

Background



This preview shows how black text looks on a background with the XYZ color 12.3372, 15.6718, 24.2045.



This preview shows how white text looks on a background with the XYZ color 12.3372, 15.6718,

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

12.3372, 15.6718, 24.2045

Protanopia

15.2337, 15.5437, 21.5994

Deuteranopia

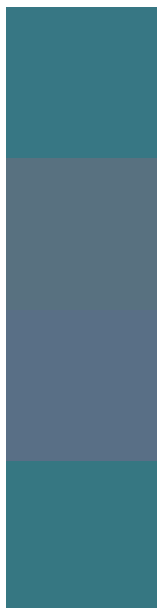
15.8152, 15.4528, 25.0708



Tritanopia

12.0806, 15.5629, 23.1361

Trichromacy



Original Color

12.3372, 15.6718, 24.2045

Protanomaly

13.8259, 15.4435, 22.6743

Deuteranomaly

14.1073, 15.2140, 24.7473

Tritanomaly

12.1474, 15.5896, 23.4880

Monochromacy



Original Color

12.3372, 15.6718, 24.2045

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.9433, 13.7798, 17.3595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3372, 15.6718, 24.2045 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(55, 119, 132)` looks like.

```
.text, #text, p{  
    color:rgb(55, 119, 132)  
}
```

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(55, 119, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 119, 132) }
```

Border

The CSS property to change the border of an element to XYZ 12.3372, 15.6718, 24.2045 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(55, 119, 132) }
```


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

```
.border{ border-color:rgb(55, 119, 132) }
```

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

Here you see how a box with a 4 pixel rgb(55, 119, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 119, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 119, 132);  
box-shadow:4px 4px 4px 4px rgb(55, 119,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3372, 15.6718, 24.2045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 119, 132) }
```

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

```
.background{ background-color: rgb(55, 119,  
132) }
```

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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