

Converting Colors

XYZ(12.6197, 15.9129, 26.3343)

Have a look what the booklet for
XYZ(12.6197, 15.9129, 26.3343)
contains.

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Color

**XYZ(12.6692, 15.9717,
26.4599)**

Conversions

Conversions Part 1

Format	Color
Hex	33788A
RGB	51, 120, 138
RGB Percent	20%, 47%, 54%
CMY	0.8000, 0.5294, 0.4588
CMYK	0.63, 0.13, 0.00, 0.46
HSL	192°, 46%, 37%
HSV	192°, 63%, 54%
XYZ	12.6692, 15.9717, 26.4599
YIQ	101.4210, -46.9020, -9.0300

Conversions

Conversions Part 2

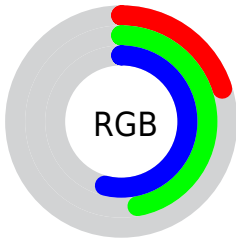
Format	Color
RYB	51, 89, 138
Decimal	3373194
CIELab	46.94, -15.87, -16.29
CIElCh	47, 22.746, 225.756
Yxy	15.9717, 0.2299, 0.2899
Android (android.graphics.Color)	4281563274 (0xFF33788A)
YUV	101.4210, 18.0334, -44.2192
Hunter-Lab	39.9646, -13.3517, -11.2797

Details

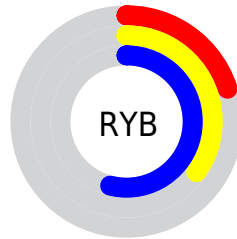
The XYZ color **12.6692, 15.9717, 26.4599** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.2075, 9.8993, 4.3473**, and the grayscale version is **12.4426, 13.0906, 14.2556**.

A 20% lighter version of the original color is **30.2199, 36.3924, 54.7219**, and **4.0147, 5.2111, 10.0268** is the 20% darker color. If you saturate the color by 10%, you get **11.7362, 14.9888, 26.3197**, and if you desaturate by 10%, it is **13.8199, 17.0826, 26.6140**.

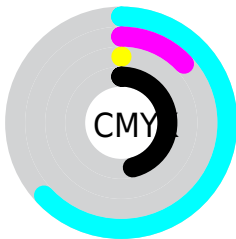
Distribution



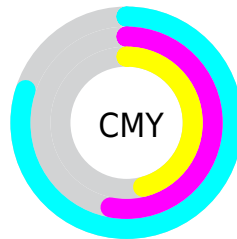
- Red (20%)
- Green (47%)
- Blue (54%)



- Red (20%)
- Yellow (35%)
- Blue (54%)



- Cyan (63%)
- Magenta (13%)
- Yellow (0%)
- Black (46%)



- Cyan (80%)
- Magenta (53%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6692, 15.9717, 26.4599 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 12.6692, 15.9717, 26.4599 by changing the saturation by 10% instead.

12.6692, 15.9717,
26.4599

12.6692, 15.9717,
26.4599

202.4673,
229.1747, 298.7094

7.2766, 9.5041,
16.9392

30.3146, 36.5491,
55.0091

3.6835, 5.0714,
10.0296

43.2981, 51.4277,
74.8747

1.5247, 2.2892,
5.3127

59.5426, 69.8787,
99.0256

0.3425, 0.7680,
2.3700

79.4134, 92.2866,
127.8804

0.0000, 0.0000,
0.7700

103.2759,
119.0358, 161.8577

0.0000, 0.0000,
0.0000

131.4955,

150.5106, 201.3759

164.4375,
187.0954, 246.8536

■ 12.6692, 15.9717,
26.4599

■ 12.6692, 15.9717,
26.4599

■ 11.7362, 14.9888,
26.3197

■ 13.8199, 17.0826,
26.6140

■ 11.0004, 14.1224,
26.1912

■ 15.2034, 18.3286,
26.7816

■ 10.4399, 13.3612,
26.0738

■ 16.8352, 19.7181,
26.9637

■ 10.1041, 12.8682,
25.9964

■ 18.7291, 21.2582,
27.1612

■ 20.8977, 22.9556,
27.3745

■ 23.3528, 24.8166,
27.6044

■ 26.1056, 26.8470,
27.8512

■ 29.1665, 29.0524,
28.1155

■ 32.5457, 31.4379,
28.3979

Harmonies

Analogous

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



11.7942, 15.9717, 20.5322



12.6692, 15.9717, 26.4599



14.2603, 15.9717, 30.2895

Triad

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



12.6692, 15.9717, 26.4599



19.1907, 15.9717, 20.2225



14.1672, 15.9717, 8.8460

Complementary

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



12.6692, 15.9717, 26.4599



13.2075, 9.8993, 4.3473

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.



16.1397, 15.9717, 8.7985



12.6692, 15.9717, 26.4599



19.1602, 15.9717, 14.5868

Square

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



12.6692, 15.9717, 26.4599



18.0837, 15.9717, 26.1910



18.0038, 15.9717, 10.6738



12.6062, 15.9717, 10.8218

Rectangle

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



12.6692, 15.9717, 26.4599



15.5668, 15.9717, 30.6983



18.0038, 15.9717, 10.6738



14.8009, 15.9717, 8.6212

Sweetspot

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



12.6697, 15.9723, 26.4603



34.3446, 38.5252, 48.0091



11.5099, 19.3035, 8.6532



7.4970, 8.4780, 10.7476



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.6697, 15.9723, 26.4603



20.0511, 25.6954, 46.2861



8.6142, 7.8613, 25.1085



5.0865, 5.5159, 6.4024



9.2744, 11.8192, 23.8382



0.0718, 0.0990, 0.1618

Inverse Universe

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



15.0557, 9.1276, 18.7381



24.8730, 13.4563, 30.3232



16.8625, 17.2092, 5.5656



5.1903, 5.1115, 6.0904



12.1681, 5.9774, 13.9215



0.0860, 0.0418, 0.1197

Previews

White Background



This preview shows how the XYZ color 12.6692, 15.9717, 26.4599 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 12.6692, 15.9717, 26.4599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

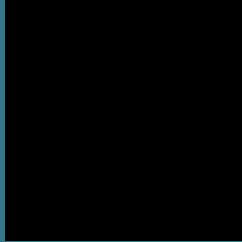
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6692, 15.9717, 26.4599

Background



This preview shows how black text looks on a background with the XYZ color 12.6692, 15.9717, 26.4599.



This preview shows how white text looks on a background with the XYZ color 12.6692, 15.9717,

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

12.6692, 15.9717, 26.4599

Protanopia

15.6165, 15.8547, 23.7099

Deuteranopia

16.2202, 15.9245, 27.4181



Tritanopia

12.1530, 15.9418, 23.9093

Trichromacy



Original Color

12.6692, 15.9717, 26.4599

Protanomaly

14.1581, 15.7343, 24.8451

Deuteranomaly

14.4765, 15.6821, 27.0749

Tritanomaly

12.4071, 16.0489, 24.9981

Monochromacy



Original Color

12.6692, 15.9717, 26.4599

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.9671, 13.7790, 17.9485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6692, 15.9717, 26.4599 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(51, 120, 138)` looks like.

```
.text, #text, p{  
    color:rgb(51, 120, 138)  
}
```

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(51, 120, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 120, 138) }
```

Border

The CSS property to change the border of an element to XYZ 12.6692, 15.9717, 26.4599 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(51, 120, 138) }
```


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

```
.border{ border-color:rgb(51, 120, 138) }
```

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

Here you see how a box with a 4 pixel rgb(51, 120, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 120, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 120, 138);  
box-shadow:4px 4px 4px 4px rgb(51, 120,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6692, 15.9717, 26.4599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 120, 138) }
```

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

```
.background{ background-color: rgb(51, 120,  
138) }
```

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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