

Converting Colors

XYZ(12.3831, 14.4938, 20.9386)

Have a look what the booklet for
XYZ(12.3831, 14.4938, 20.9386)
contains.

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Color

**XYZ(12.4299, 14.5962,
20.9011)**

Conversions

Conversions Part 1

Format	Color
Hex	4D707B
RGB	77, 112, 123
RGB Percent	30%, 44%, 48%
CMY	0.6980, 0.5608, 0.5176
CMYK	0.37, 0.09, 0.00, 0.52
HSL	194°, 23%, 39%
HSV	194°, 37%, 48%
XYZ	12.4299, 14.5962, 20.9011
YIQ	102.7890, -24.3910, -3.9990

Conversions

Conversions Part 2

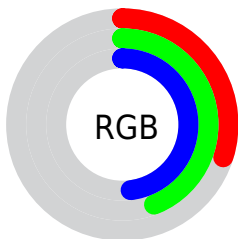
Format	Color
R_{YB}	77, 97, 123
Decimal	5075067
CIE _{Lab}	45.08, -9.47, -10.07
CIE _{LCh}	45, 13.819, 226.766
Yxy	14.5962, 0.2593, 0.3045
Android (android.graphics.Color)	4283265147 (0xFF4D707B)
YUV	102.7890, 9.9640, -22.6170
Hunter-Lab	38.2050, -8.7841, -5.6928

Details

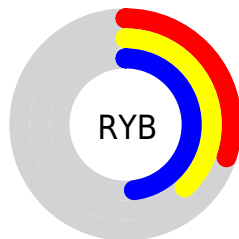
The XYZ color **12.4299, 14.5962, 20.9011** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.9979, 11.7264, 8.5999**, and the grayscale version is **12.8159, 13.4834, 14.6834**.

A 20% lighter version of the original color is **29.9154, 34.2353, 45.5888**, and **3.5483, 4.4081, 7.1424** is the 20% darker color. If you saturate the color by 10%, you get **11.2107, 13.4941, 20.7529**, and if you desaturate by 10%, it is **13.8483, 15.8174, 21.0623**.

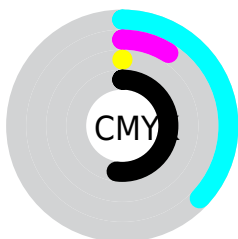
Distribution



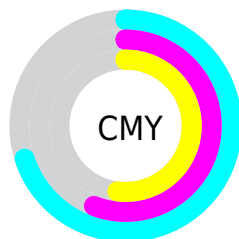
- Red (30%)
- Green (44%)
- Blue (48%)



- Red (30%)
- Yellow (38%)
- Blue (48%)



- Cyan (37%)
- Magenta (9%)
- Yellow (0%)
- Black (52%)



- Cyan (70%)
- Magenta (56%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4299, 14.5962, 20.9011 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 12.4299, 14.5962, 20.9011 by changing the saturation by 10% instead.

■ 12.4299, 14.5962,
20.9011

■ 12.4299, 14.5962,
20.9011

200.9433,
220.9089, 269.5162

■ 7.1114, 8.5365,
12.8612

■ 29.8858, 34.1432,
45.8015

■ 3.5788, 4.4401,
7.2034

■ 42.7540, 48.3993,
63.4991

■ 1.4667, 1.9227,
3.5093

■ 58.8694, 66.1563,
85.2530

■ 0.3030, 0.5620,
1.3602

■ 78.5975, 87.7986,
111.4818

■ 0.0000, 0.0000,
0.1104

■ 102.3036,
113.7107, 142.6040

■ 0.0000, 0.0000,
0.0000

130.3530,

144.2768, 179.0381

163.1111,
179.8814, 221.2026

■ 12.4299, 14.5962,
20.9011

■ 12.4299, 14.5962,
20.9011

■ 11.2107, 13.4941,
20.7529

■ 13.8483, 15.8174,
21.0623

■ 10.1786, 12.5037,
20.6161

■ 15.4745, 17.1613,
21.2360

■ 9.3223, 11.6194,
20.4906

■ 17.3181, 18.6332,
21.4229

■ 8.6287, 10.8343,
20.3756

■ 19.3876, 20.2379,
21.6236

■ 8.0827, 10.1403,
20.2704

■ 21.6914, 21.9795,
21.8383

■ 7.6497, 9.5196,
20.1734

■ 24.2370, 23.8624,
22.0676

■ 7.5416, 9.3629,
20.1489

■ 27.0319, 25.8903,
22.3117

■ 30.0831, 28.0670,
22.5711

■ 33.3973, 30.3962,
22.8460

Harmonies

Analogous

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



11.8847, 14.5962, 17.7669



12.4299, 14.5962, 20.9011



13.3791, 14.5962, 22.7948

Triad

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



12.4299, 14.5962, 20.9011



16.1105, 14.5962, 17.3687



13.2525, 14.5962, 10.6231

Complementary

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



12.4299, 14.5962, 20.9011



12.9979, 11.7264, 8.5999

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.



14.3794, 14.5962, 10.5469



12.4299, 14.5962, 20.9011



16.0720, 14.5962, 14.1554

Square

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



12.4299, 14.5962, 20.9011



15.5266, 14.5962, 20.5755



15.4242, 14.5962, 11.7562



12.3416, 14.5962, 11.9806

Rectangle

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



12.4299, 14.5962, 20.9011



14.1322, 14.5962, 22.9511



15.4242, 14.5962, 11.7562



13.6174, 14.5962, 10.4539

Sweetspot

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



12.4303, 14.5968, 20.9014



29.6860, 32.3183, 38.2301



11.8943, 16.4442, 11.7222



6.9063, 7.5436, 8.9951



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.4303, 14.5968, 20.9014



20.3379, 24.4076, 37.1958



10.2307, 10.1975, 20.1682



4.0297, 4.3578, 5.0719



7.7973, 9.6771, 20.8422



36.5110, 44.7947, 99.1917

Inverse Universe

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



13.7473, 10.6890, 16.6685



23.1322, 16.5733, 28.1114



15.1636, 16.0579, 9.3218



4.1155, 4.0619, 4.8057



10.5191, 5.1838, 11.2902



49.8322, 24.5892, 52.0400

Previews

White Background



This preview shows how the XYZ color 12.4299, 14.5962, 20.9011 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 12.4299, 14.5962, 20.9011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

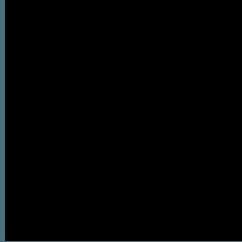
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

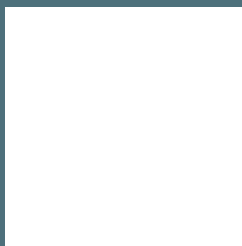
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4299, 14.5962, 20.9011

Background



This preview shows how black text looks on a background with the XYZ color 12.4299, 14.5962, 20.9011.



This preview shows how white text looks on a background with the XYZ color 12.4299, 14.5962,

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

12.4299, 14.5962, 20.9011

Protanopia

14.1927, 14.5830, 19.5195

Deuteranopia

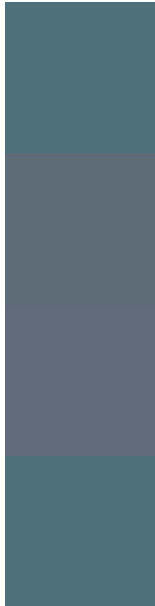
14.8363, 14.5694, 21.4323



Tritanopia

12.3059, 14.5466, 20.2483

Trichromacy



Original Color

12.4299, 14.5962, 20.9011

Protanomaly

13.3688, 14.4609, 19.8559

Deuteranomaly

13.8256, 14.5120, 21.1412

Tritanomaly

12.3676, 14.5713, 20.5730

Monochromacy



Original Color

12.4299, 14.5962, 20.9011

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.5846, 13.8135, 16.7549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4299, 14.5962, 20.9011 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(77, 112, 123)` looks like.

```
.text, #text, p{  
  color:rgb(77, 112, 123)  
}
```

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(77, 112, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 112, 123) }
```

Border

The CSS property to change the border of an element to XYZ 12.4299, 14.5962, 20.9011 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(77, 112, 123) }
```


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

```
.border{ border-color:rgb(77, 112, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 112, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 112, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 112, 123);  
box-shadow:4px 4px 4px 4px rgb(77, 112,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4299, 14.5962, 20.9011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 112, 123) }
```

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

```
.background{ background-color: rgb(77, 112,  
123) }
```

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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