

Converting Colors

XYZ(12.6104, 14.9911, 30.9621)

Have a look what the booklet for
XYZ(12.6104, 14.9911, 30.9621)
contains.

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Color

**XYZ(12.6320, 14.9771,
31.0792)**

Conversions

Conversions Part 1

Format	Color
Hex	2B7396
RGB	43, 115, 150
RGB Percent	17%, 45%, 59%
CMY	0.8313, 0.5490, 0.4118
CMYK	0.71, 0.23, 0.00, 0.41
HSL	200°, 55%, 38%
HSV	200°, 71%, 59%
XYZ	12.6320, 14.9771, 31.0792
YIQ	97.4620, -54.1470, -4.3790

Conversions

Conversions Part 2

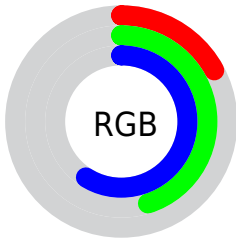
Format	Color
R_{YB}	43, 86, 150
Decimal	2847638
CIE _{Lab}	45.60, -10.37, -25.47
CIE _{LCh}	46, 27.502, 247.852
Yxy	14.9771, 0.2152, 0.2552
Android (android.graphics.Color)	4281037718 (0xFF2B7396)
YUV	97.4620, 25.9012, -47.7632
Hunter-Lab	38.7003, -9.4620, -20.5241

Details

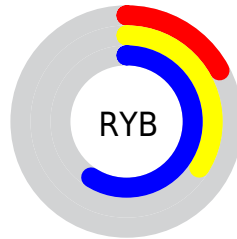
The XYZ color **12.6320, 14.9771, 31.0792** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.7387, 12.1080, 3.7936**, and the grayscale version is **11.4243, 12.0193, 13.0890**.

A 20% lighter version of the original color is **30.1973, 34.8218, 62.2565**, and **4.2593, 4.9152, 12.5286** is the 20% darker color. If you saturate the color by 10%, you get **11.5703, 13.6214, 30.8738**, and if you desaturate by 10%, it is **13.9558, 16.5127, 31.3061**.

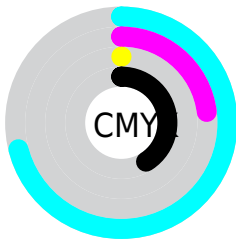
Distribution



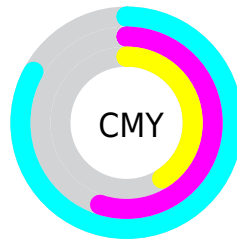
- Red (17%)
- Green (45%)
- Blue (59%)



- Red (17%)
- Yellow (34%)
- Blue (59%)



- Cyan (71%)
- Magenta (23%)
- Yellow (0%)
- Black (41%)



- Cyan (83%)
- Magenta (55%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6320, 14.9771, 31.0792 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 12.6320, 14.9771, 31.0792 by changing the saturation by 10% instead.

■ 12.6320, 14.9771,
31.0792

■ 12.6320, 14.9771,
31.0792

■ 202.2312,
223.2276, 321.2655

■ 7.2509, 8.8033,
20.4002

■ 30.2480, 34.8130,
62.4458

■ 3.6672, 4.6131,
12.4993

■ 43.2136, 49.2439,
83.9704

■ 1.5156, 2.0221,
6.9580

■ 59.4381, 67.1960,
109.9474

■ 0.3364, 0.6203,
3.3578

■ 79.2869, 89.0536,
140.7952

■ 0.0000, 0.0000,
1.2801

■ 103.1252,
115.2012, 176.9323

■ 0.0000, 0.0000,
0.0454

■ 131.3184,

■ 0.0000, 0.0000,

146.0231, 218.7774

0.0000

164.2320,
181.9038, 266.7490

■ 12.6320, 14.9771,
31.0792

■ 12.6320, 14.9771,
31.0792

■ 11.5703, 13.6214,
30.8738

■ 13.9558, 16.5127,
31.3061

■ 10.7419, 12.4292,
30.6873

■ 15.5634, 18.2392,
31.5546

■ 10.1524, 11.4966,
30.5384

■ 17.4758, 20.1684,
31.8262

■ 19.7115, 22.3104,
32.1218

■ 22.2874, 24.6746,
32.4424

■ 25.2192, 27.2697,
32.7888

■ 28.5216, 30.1038,
33.1618

■ 32.2084, 33.1847,
33.5621

■ 36.2926, 36.5196,
33.9906

Harmonies

Analogous

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



11.0206, 14.9771, 25.3811



12.6320, 14.9771, 31.0792



14.8481, 14.9771, 32.3504

Triad

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



12.6320, 14.9771, 31.0792



19.0819, 14.9771, 14.6375



11.6900, 14.9771, 8.2108

Complementary

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



12.6320, 14.9771, 31.0792



15.7387, 12.1080, 3.7936

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.



13.6395, 14.9771, 6.7023



12.6320, 14.9771, 31.0792



18.0212, 14.9771, 9.7040

Square

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



12.6320, 14.9771, 31.0792



18.7376, 14.9771, 21.5646



15.9688, 14.9771, 7.1635



10.5189, 14.9771, 11.9828

Rectangle

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



12.6320, 14.9771, 31.0792



16.4033, 14.9771, 30.2675



15.9688, 14.9771, 7.1635



12.2672, 14.9771, 7.4758

Sweetspot

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



12.6325, 14.9776, 31.0796



39.2911, 43.5079, 57.2483



13.2385, 22.8608, 10.7152



8.4465, 9.4057, 12.6551



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.



12.6325, 14.9776, 31.0796



19.4441, 22.6678, 54.2718



8.2582, 6.2290, 29.6215



5.8059, 6.2457, 7.3693



8.4501, 9.5950, 25.3377



0.1304, 0.1713, 0.3191

Inverse Universe

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



16.5365, 9.4501, 17.1727



27.2726, 14.1051, 25.8192



21.0479, 22.7264, 5.5634



5.9554, 5.8772, 6.8715



12.3923, 6.1620, 10.8127



0.1653, 0.0809, 0.2040

Previews

White Background



This preview shows how the XYZ color 12.6320, 14.9771, 31.0792 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 12.6320, 14.9771, 31.0792 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 12.6320, 14.9771, 31.0792

Background



This preview shows how black text looks on a background with the XYZ color 12.6320, 14.9771, 31.0792.

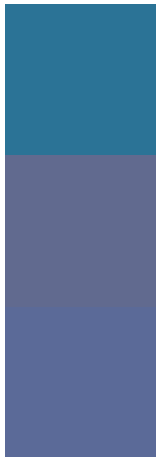


This preview shows how white text looks on a background with the XYZ color 12.6320, 14.9771,

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

12.6320, 14.9771, 31.0792

Protanopia

15.0417, 14.8326, 28.0568

Deuteranopia

15.1359, 14.7992, 31.7645



Tritanopia

10.9853, 14.9982, 23.0848

Trichromacy



Original Color

12.6320, 14.9771, 31.0792

Protanomaly

13.7175, 14.5904, 29.2874

Deuteranomaly

13.8786, 14.6275, 31.3701

Tritanomaly

11.5895, 15.0701, 25.9649

Monochromacy



Original Color

12.6320, 14.9771, 31.0792

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.1633, 12.7394, 18.3936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6320, 14.9771, 31.0792 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(43, 115, 150)` looks like.

```
.text, #text, p{  
    color:rgb(43, 115, 150)  
}
```

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(43, 115, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 115, 150) }
```

Border

The CSS property to change the border of an element to XYZ 12.6320, 14.9771, 31.0792 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(43, 115, 150) }
```


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

```
.border{ border-color:rgb(43, 115, 150) }
```

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

Here you see how a box with a 4 pixel rgb(43, 115, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 115, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 115, 150);  
box-shadow:4px 4px 4px 4px rgb(43, 115,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6320, 14.9771, 31.0792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 115, 150) }
```

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

```
.background{ background-color: rgb(43, 115,  
150) }
```

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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