

Converting Colors

XYZ(12.6067, 14.2830, 37.2149)

Have a look what the booklet for
XYZ(12.6067, 14.2830, 37.2149)
contains.

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Color

**XYZ(12.6330, 14.3398,
37.2240)**

Conversions

Conversions Part 1

Format	Color
Hex	0B70A4
RGB	11, 112, 164
RGB Percent	4%, 44%, 64%
CMY	0.9568, 0.5608, 0.3569
CMYK	0.93, 0.32, 0.00, 0.36
HSL	200°, 87%, 34%
HSV	200°, 93%, 64%
XYZ	12.6330, 14.3398, 37.2240
YIQ	87.7290, -76.8880, -5.2400

Conversions

Conversions Part 2

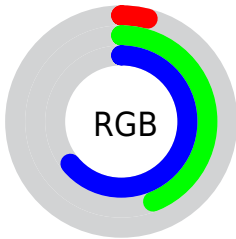
Format	Color
RYB	11, 72, 164
Decimal	749732
CIELab	44.72, -6.54, -35.16
CIELCh	45, 35.766, 259.463
Yxy	14.3398, 0.1968, 0.2234
Android (android.graphics.Color)	4278939812 (0xFF0B70A4)
YUV	87.7290, 37.6016, -67.2913
Hunter-Lab	37.8679, -6.7201, -31.7742

Details

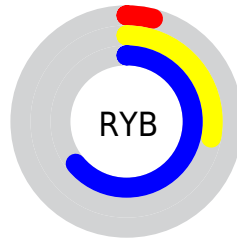
The XYZ color **12.6330, 14.3398, 37.2240** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.1494, 11.4746, 1.6283**, and the grayscale version is **9.1514, 9.6280, 10.4849**.

A 20% lighter version of the original color is **30.2781, 33.8391, 71.9536**, and **4.8149, 4.9504, 16.0310** is the 20% darker color. If you saturate the color by 10%, you get **12.0902, 13.4590, 37.0829**, and if you desaturate by 10%, it is **13.5928, 15.7764, 37.4510**.

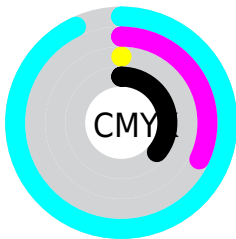
Distribution



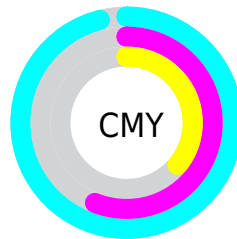
- Red (4%)
- Green (44%)
- Blue (64%)



- Red (4%)
- Yellow (28%)
- Blue (64%)



- Cyan (93%)
- Magenta (32%)
- Yellow (0%)
- Black (36%)



- Cyan (96%)
- Magenta (56%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6330, 14.3398, 37.2240 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 12.6330, 14.3398, 37.2240 by changing the saturation by 10% instead.

■ 12.6330, 14.3398,
37.2240

■ 12.6330, 14.3398,
37.2240

202.2375,
219.3346, 349.4772

■ 7.2516, 8.3574,
25.0838

■ 30.2498, 33.6907,
72.1073

■ 3.6676, 4.3245,
15.9199

■ 43.2159, 47.8281,
95.6876

■ 1.5159, 1.8567,
9.3138

■ 59.4409, 65.4525,
123.9183

■ 0.3366, 0.5221,
4.8468

■ 79.2903, 86.9484,
157.2179

■ 0.0000, 0.0000,
2.1005

■ 103.1292,
112.7001, 196.0051

■ 0.0000, 0.0000,
0.6161

■ 131.3232,

■ 0.0000, 0.0000,

143.0922, 240.6983

0.0000

164.2375,
178.5089, 291.7162

■ 12.6330, 14.3398,
37.2240

■ 12.6330, 14.3398,
37.2240

■ 12.0902, 13.4590,
37.0829

■ 13.5928, 15.7764,
37.4510

■ 14.8338, 17.4153,
37.7019

■ 16.3922, 19.2763,
37.9790

■ 18.2980, 21.3759,
38.2838

■ 20.5775, 23.7285,
38.6178

■ 23.2543, 26.3471,
38.9821

■ 26.3500, 29.2438,
39.3781

■ 29.8843, 32.4296,
39.8068

■ 33.8759, 35.9150,
40.2691

Harmonies

Analogous

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



10.3107, 14.3398, 31.2075



12.6330, 14.3398, 37.2240



15.5775, 14.3398, 36.0854

Triad

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



12.6330, 14.3398, 37.2240



19.6063, 14.3398, 10.8652



9.8086, 14.3398, 7.3510

Complementary

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



12.6330, 14.3398, 37.2240



17.1494, 11.4746, 1.6283

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.



11.8511, 14.3398, 4.8633



12.6330, 14.3398, 37.2240



17.5935, 14.3398, 6.3358

Square

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



12.6330, 14.3398, 37.2240



19.8945, 14.3398, 18.7268



14.6772, 14.3398, 4.5731



8.8409, 14.3398, 12.8661

Rectangle

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



12.6330, 14.3398, 37.2240



17.4986, 14.3398, 31.5145



14.6772, 14.3398, 4.5731



10.3775, 14.3398, 6.2307

Sweetspot

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



12.6335, 14.3403, 37.2244



44.7824, 50.2576, 71.0927



14.2839, 26.9705, 9.0129



9.3019, 10.5258, 15.4789



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



12.6335, 14.3403, 37.2244



21.7455, 24.0299, 67.2445



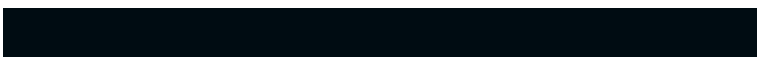
7.4860, 4.0452, 35.5085



7.0724, 7.6038, 8.9980



9.3155, 10.4104, 28.4482



0.2368, 0.3009, 0.6114

Inverse Universe

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



18.3546, 9.3024, 16.1577



32.6267, 16.2609, 26.7703



24.5316, 26.2390, 4.0891



7.2615, 7.1611, 8.3635



13.8475, 6.8951, 11.6535



0.3117, 0.1532, 0.3540

Previews

White Background



This preview shows how the XYZ color 12.6330, 14.3398, 37.2240 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 12.6330, 14.3398, 37.2240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

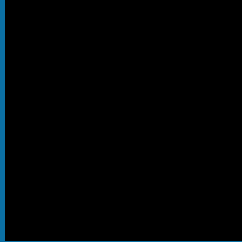
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6330, 14.3398, 37.2240

Background



This preview shows how black text looks on a background with the XYZ color 12.6330, 14.3398, 37.2240.

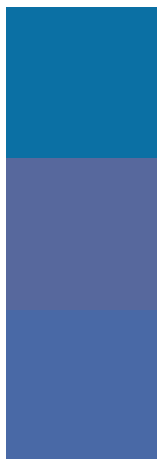


This preview shows how white text looks on a background with the XYZ color 12.6330, 14.3398,

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

12.6330, 14.3398, 37.2240

Protanopia

14.9666, 14.3612, 33.8814

Deuteranopia

14.6822, 14.2728, 38.0575



Tritanopia

10.1272, 14.2289, 21.9514

Trichromacy



Original Color

12.6330, 14.3398, 37.2240

Protanomaly

13.4065, 13.9833, 35.2501

Deuteranomaly

13.4695, 14.1198, 37.6128

Tritanomaly

10.9144, 14.1807, 26.9728

Monochromacy



Original Color

12.6330, 14.3398, 37.2240

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.2906, 10.7710, 18.1123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6330, 14.3398, 37.2240 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(11, 112, 164)` looks like.

```
.text, #text, p{  
    color:rgb(11, 112, 164)  
}
```

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(11, 112, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 112, 164) }
```

Border

The CSS property to change the border of an element to XYZ 12.6330, 14.3398, 37.2240 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(11, 112, 164) }
```


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

```
.border{ border-color:rgb(11, 112, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 112, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 112, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 112, 164);  
box-shadow:4px 4px 4px 4px rgb(11, 112,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6330, 14.3398, 37.2240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 112, 164) }
```

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

```
.background{ background-color: rgb(11, 112,  
164) }
```

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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