

Converting Colors

XYZ(12.4892, 12.2521, 29.6821)

Have a look what the booklet for
XYZ(12.4892, 12.2521, 29.6821)
contains.

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Color

**XYZ(12.5370, 12.3293,
29.7360)**

Conversions

Conversions Part 1

Format	Color
Hex	4A6294
RGB	74, 98, 148
RGB Percent	29%, 38%, 58%
CMY	0.7098, 0.6157, 0.4196
CMYK	0.50, 0.34, 0.00, 0.42
HSL	221°, 33%, 44%
HSV	221°, 50%, 58%
XYZ	12.5370, 12.3293, 29.7360
YIQ	96.5240, -30.3540, 10.4620

Conversions

Conversions Part 2

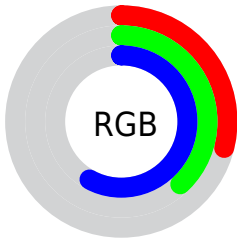
Format	Color
R_{YB}	74, 92, 148
Decimal	4874900
CIE _{Lab}	41.73, 5.66, -30.22
CIE _{LCh}	42, 30.742, 280.615
Yxy	12.3293, 0.2296, 0.2258
Android (android.graphics.Color)	4283064980 (0xFF4A6294)
YUV	96.5240, 25.3777, -19.7535
Hunter-Lab	35.1131, 2.2848, -25.6314

Details

The XYZ color **12.5370, 12.3293, 29.7360** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.6570, 21.2063, 9.4836**, and the grayscale version is **11.1914, 11.7742, 12.8221**.

A 20% lighter version of the original color is **30.0030, 29.9561, 60.0779**, and **3.6351, 3.4476, 11.7831** is the 20% darker color. If you saturate the color by 10%, you get **10.6509, 10.0538, 29.3964**, and if you desaturate by 10%, it is **14.8091, 14.9777, 30.1277**.

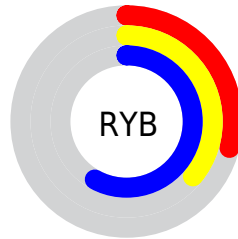
Distribution



Red (29%)

Green (38%)

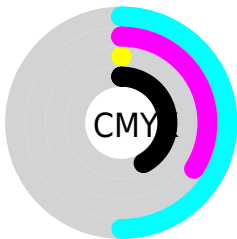
Blue (58%)



Red (29%)

Yellow (36%)

Blue (58%)

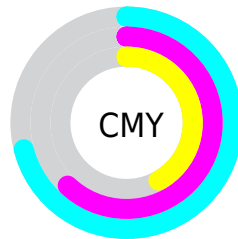


Cyan (50%)

Magenta (34%)

Yellow (0%)

Black (42%)



Cyan (71%)

Magenta (62%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5370, 12.3293, 29.7360 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 12.5370, 12.3293, 29.7360 by changing the saturation by 10% instead.

■ 12.5370, 12.3293,
29.7360

■ 12.5370, 12.3293,
29.7360

201.6268,
206.5733, 314.8409

■ 7.1853, 6.9684,
19.3879

■ 30.0779, 30.0935,
60.3005

■ 3.6256, 3.4423,
11.7713

■ 42.9978, 43.2655,
81.3540

■ 1.4926, 1.3668,
6.4675

■ 59.1711, 59.8099,
106.8131

■ 0.3208, 0.1921,
3.0580

■ 78.9632, 80.1113,
137.0963

■ 0.0000, 0.0000,
1.1243

■ 102.7395,
104.5539, 172.6221

■ 0.0000, 0.0000,
0.0000

130.8653,

133.5222, 213.8091

163.7059,
167.4005, 261.0758

■ 12.5370, 12.3293,
29.7360

■ 12.5370, 12.3293,
29.7360

■ 10.6509, 10.0538,
29.3964

■ 14.8091, 14.9777,
30.1277

■ 9.1259, 8.1315,
29.1058

■ 17.4870, 18.0148,
30.5728

■ 7.9364, 6.5425,
28.8618

■ 20.5909, 21.4569,
31.0736

■ 7.0522, 5.2642,
28.6616

■ 24.1392, 25.3189,
31.6320

■ 6.4023, 4.2521,
28.5005

■ 28.1490, 29.6150,
32.2499

■ 6.4022, 4.2519,
28.5005

■ 32.6368, 34.3587,
32.9290

■ 37.6178, 39.5627,
33.6709

■ 43.1070, 45.2395,
34.4773

■ 49.1184, 51.4009,
35.3498

Harmonies

Analogous

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



10.3354, 12.3293, 28.9074



12.5370, 12.3293, 29.7360



14.7792, 12.3293, 25.2526

Triad

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



12.5370, 12.3293, 29.7360



15.3342, 12.3293, 6.8465



8.0807, 12.3293, 9.7049

Complementary

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



12.5370, 12.3293, 29.7360



20.6570, 21.2063, 9.4836

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.



9.1127, 12.3293, 6.0234



12.5370, 12.3293, 29.7360



13.2200, 12.3293, 4.7779

Square

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



12.5370, 12.3293, 29.7360



16.5265, 12.3293, 11.2612



10.9367, 12.3293, 4.5349



7.9473, 12.3293, 15.8485

Rectangle

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



12.5370, 12.3293, 29.7360



15.9248, 12.3293, 20.4990



10.9367, 12.3293, 4.5349



8.3271, 12.3293, 8.1997

Sweetspot

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



12.5375, 12.3297, 29.7363



39.1734, 40.9672, 55.2774



17.0104, 24.0744, 22.5993



8.6732, 9.0582, 12.5761



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.



12.5375, 12.3297, 29.7363



18.4371, 17.3000, 51.8021



11.6631, 9.0306, 29.1456



5.6439, 5.9219, 7.3153



5.4911, 3.6770, 24.3514



0.0918, 0.0942, 0.3062

Inverse Universe

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



16.8665, 12.0758, 12.9975



27.1889, 17.5553, 17.7901



21.9256, 26.8809, 10.5121



5.8737, 5.8446, 6.4412



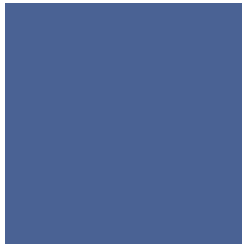
10.8987, 5.5646, 2.9478



0.1458, 0.0731, 0.1014

Previews

White Background



This preview shows how the XYZ color 12.5370, 12.3293, 29.7360 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 12.5370, 12.3293, 29.7360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

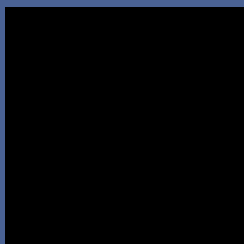
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

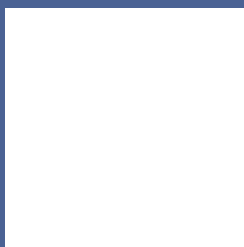
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5370, 12.3293, 29.7360

Background



This preview shows how black text looks on a background with the XYZ color 12.5370, 12.3293, 29.7360.



This preview shows how white text looks on a background with the XYZ color 12.5370, 12.3293,

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

12.5370, 12.3293, 29.7360

Protanopia

12.9345, 12.4053, 29.3165

Deuteranopia

12.6146, 12.3693, 29.7396



Tritanopia

10.0821, 12.3522, 17.4756

Trichromacy



Original Color

12.5370, 12.3293, 29.7360

Protanomaly

12.6830, 12.2757, 29.3047

Deuteranomaly

12.6146, 12.3693, 29.7396

Tritanomaly

10.8320, 12.2024, 21.5231

Monochromacy



Original Color

12.5370, 12.3293, 29.7360

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5469, 11.9342, 18.2179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5370, 12.3293, 29.7360 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(74, 98, 148)` looks like.

```
.text, #text, p{  
    color:rgb(74, 98, 148)  
}
```

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(74, 98, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 98, 148) }
```

Border

The CSS property to change the border of an element to XYZ 12.5370, 12.3293, 29.7360 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(74, 98, 148) }
```


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

```
.border{ border-color:rgb(74, 98, 148) }
```

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

Here you see how a box with a 4 pixel rgb(74, 98, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 98, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 98, 148);  
box-shadow:4px 4px 4px 4px rgb(74, 98,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5370, 12.3293, 29.7360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 98, 148) }
```

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

```
.background{ background-color: rgb(74, 98,  
148) }
```

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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