

Converting Colors

XYZ(8.0536, 10.4086, 37.1035)

Have a look what the booklet for
XYZ(8.0536, 10.4086, 37.1035)
contains.

XYZ(11.5429, 12.2194, 37.3475)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.5429, 12.2194,
37.3475)**

Conversions

Conversions Part 1

Format	Color
Hex	0066A5
RGB	0, 102, 165
RGB Percent	0%, 40%, 65%
CMY	0.9999, 0.6000, 0.3529
CMYK	1.00, 0.38, 0.00, 0.35
HSL	203°, 100%, 32%
HSV	203°, 100%, 65%
XYZ	11.5429, 12.2194, 37.3475
YIQ	78.6840, -81.0150, -2.0310

Conversions

Conversions Part 2

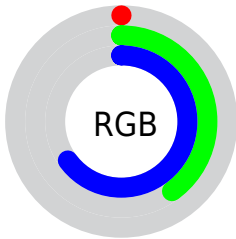
Format	Color
R _{YB}	0, 63, 165
Decimal	26277
CIE Lab	41.56, -0.51, -40.75
CIE LCh	42, 40.758, 269.285
Yxy	12.2194, 0.1889, 0.2000
Android (android.graphics.Color)	4278216357 (0xFF0066A5)
YUV	78.6840, 42.5538, -69.0059
Hunter-Lab	34.9563, -2.2310, -38.8765

Details

The XYZ color **11.5429, 12.2194, 37.3475** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.2962, 11.5573, 1.3199**, and the grayscale version is **7.3055, 7.6860, 8.3700**.

A 20% lighter version of the original color is **28.3340, 30.0245, 72.0121**, and **4.3948, 4.0206, 16.1672** is the 20% darker color. If you saturate the color by 10%, you get **11.5421, 12.2176, 37.3475**, and if you desaturate by 10%, it is **12.4088, 13.6204, 37.5726**.

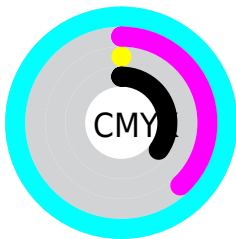
Distribution



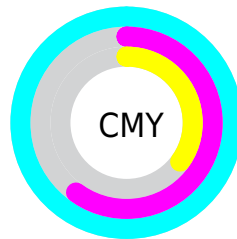
- Red (0%)
- Green (40%)
- Blue (65%)



- Red (0%)
- Yellow (25%)
- Blue (65%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (60%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5429, 12.2194, 37.3475 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 11.5429, 12.2194, 37.3475 by changing the saturation by 10% instead.

■ 11.5429, 12.2194,
37.3475

■ 11.5429, 12.2194,
37.3475

195.1876,
205.8524, 350.0265

■ 6.5032, 6.8933,
25.1788

■ 28.2839, 29.8941,
72.2992

■ 3.1970, 3.3954,
15.9901

■ 40.7160, 43.0114,
95.9193

■ 1.2588, 1.3415,
9.3628

■ 56.3429, 59.4946,
124.1935

■ 0.1520, 0.1730,
4.8786

■ 75.5300, 79.7281,
157.5405

■ 0.0000, 0.0000,
2.1187

■ 98.6427, 104.0962,
196.3787

■ 0.0000, 0.0000,
0.6269

■ 126.0463,

■ 0.0000, 0.0000,

132.9834, 241.1268

0.0000

158.1061,
166.7740, 292.2032

■ 11.5429, 12.2194,
37.3475

■ 11.5429, 12.2194,
37.3475

■ 11.5421, 12.2176,
37.3475

■ 12.4088, 13.6204,
37.5726

■ 13.5052, 15.2115,
37.8219

■ 14.9095, 17.0342,
38.0997

■ 16.6560, 19.1075,
38.4078

■ 18.7742, 21.4481,
38.7480

■ 21.2900, 24.0705,
39.1215

■ 24.2268, 26.9883,
39.5299

■ 27.6062, 30.2137,
39.9744

■ 31.4481, 33.7583,
40.4561

Harmonies

Analogous

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



8.9292, 12.2194, 32.9584



11.5429, 12.2194, 37.3475



14.6449, 12.2194, 33.3343

Triad

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



11.5429, 12.2194, 37.3475



17.3557, 12.2194, 6.7895



7.3557, 12.2194, 6.5658

Complementary

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



11.5429, 12.2194, 37.3475



17.2962, 11.5573, 1.3199

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.



9.0334, 12.2194, 3.5175



11.5429, 12.2194, 37.3475



14.7897, 12.2194, 3.6024

Square

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



11.5429, 12.2194, 37.3475



18.3288, 12.2194, 13.5104



11.6857, 12.2194, 2.7236



6.7796, 12.2194, 13.1014

Rectangle

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



11.5429, 12.2194, 37.3475



16.5150, 12.2194, 27.1173



11.6857, 12.2194, 2.7236



7.7936, 12.2194, 5.2210

Sweetspot

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



11.5434, 12.2198, 37.3478



43.0699, 48.0237, 70.7518



14.2849, 27.2424, 8.8524



8.9410, 10.0319, 15.4026



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.



11.5434, 12.2198, 37.3478



20.4691, 21.4772, 66.8190



7.0793, 3.2915, 35.8598



7.0478, 7.5546, 8.9898



8.7809, 9.3413, 28.2700



0.2280, 0.2833, 0.6085

Inverse Universe

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



17.9158, 8.9593, 13.3557



31.9824, 16.0032, 23.3778



25.3404, 27.6456, 4.0013



7.2491, 7.1561, 8.2982



13.5777, 6.7871, 10.2326



0.3073, 0.1514, 0.3307

Previews

White Background



This preview shows how the XYZ color 11.5429, 12.2194, 37.3475 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 11.5429, 12.2194, 37.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

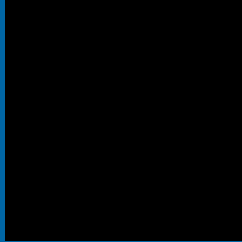
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.5429, 12.2194, 37.3475

Background



This preview shows how black text looks on a background with the XYZ color 11.5429, 12.2194, 37.3475.



This preview shows how white text looks on a background with the XYZ color 11.5429, 12.2194,

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

11.5429, 12.2194, 37.3475

Protanopia

13.1885, 12.2854, 34.4771

Deuteranopia

12.6602, 12.3550, 37.7939



Tritanopia

8.6795, 12.2216, 18.7312

Trichromacy



Original Color

11.5429, 12.2194, 37.3475

Protanomaly

11.9274, 11.8894, 35.3845

Deuteranomaly

12.0358, 12.1746, 37.7920

Tritanomaly

9.4571, 12.0293, 24.3777

Monochromacy



Original Color

11.5429, 12.2194, 37.3475

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

7.5381, 8.6203, 16.0184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5429, 12.2194, 37.3475 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(0, 102, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 165)  
}
```

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(0, 102, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 165) }
```

Border

The CSS property to change the border of an element to XYZ 11.5429, 12.2194, 37.3475 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(0, 102, 165) }
```


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

```
.border{ border-color:rgb(0, 102, 165) }
```

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

Here you see how a box with a 4 pixel rgb(0, 102, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5429, 12.2194, 37.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 165) }
```

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

```
.background{ background-color: rgb(0, 102,  
165) }
```

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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