

Converting Colors

XYZ(13.5373, 12.6977, 30.1712)

Have a look what the booklet for
XYZ(13.5373, 12.6977, 30.1712)
contains.

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Color

**XYZ(13.5373, 12.6977,
30.1712)**

Conversions

Conversions Part 1

Format	Color
Hex	566195
RGB	86, 97, 149
RGB Percent	34%, 38%, 58%
CMY	0.6627, 0.6196, 0.4157
CMYK	0.42, 0.35, 0.00, 0.42
HSL	230°, 27%, 46%
HSV	230°, 42%, 58%
XYZ	13.5373, 12.6977, 30.1712
YIQ	99.6390, -23.2480, 13.8400

Conversions

Conversions Part 2

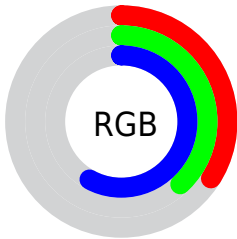
Format	Color
R_{YB}	86, 95, 149
Decimal	5661077
CIE Lab	42.30, 9.81, -29.86
CIE LCh	42, 31.433, 288.177
Yxy	12.6977, 0.2400, 0.2251
Android (android.graphics.Color)	4283851157 (0xFF566195)
YUV	99.6390, 24.3350, -11.9614
Hunter-Lab	35.6338, 5.4530, -25.2572

Details

The XYZ color **13.5373, 12.6977, 30.1712** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.1633, 25.2394, 12.4557**, and the grayscale version is **11.9661, 12.5893, 13.7097**.

A 20% lighter version of the original color is **31.6944, 30.5825, 60.7324**, and **4.0816, 3.6068, 12.0363** is the 20% darker color. If you saturate the color by 10%, you get **11.2561, 9.9637, 29.7640**, and if you desaturate by 10%, it is **16.2816, 15.9325, 30.6512**.

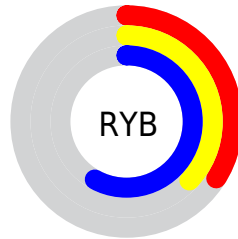
Distribution



Red (34%)

Green (38%)

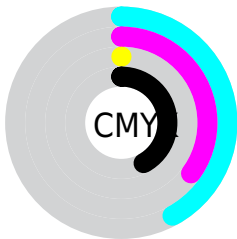
Blue (58%)



Red (34%)

Yellow (37%)

Blue (58%)

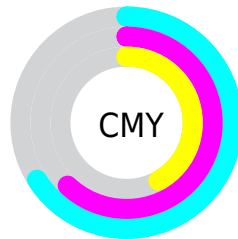


Cyan (42%)

Magenta (35%)

Yellow (0%)

Black (42%)



Cyan (66%)

Magenta (62%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5373, 12.6977, 30.1712 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 13.5373, 12.6977, 30.1712 by changing the saturation by 10% instead.

■ 13.5373, 12.6977,
30.1712

■ 13.5373, 12.6977,
30.1712

207.9018,
208.9711, 316.9338

■ 7.8791, 7.2207,
19.7154

■ 31.8589, 30.7596,
60.9970

■ 4.0688, 3.6005,
12.0063

■ 45.2531, 44.1133,
82.2041

■ 1.7412, 1.4527,
6.6254

■ 61.9565, 60.8614,
107.8321

■ 0.4818, 0.2551,
3.1541

■ 82.3347, 81.3882,
138.2995

■ 0.0000, 0.0000,
1.1738

106.7530,
106.0782, 174.0248

■ 0.0000, 0.0000,
0.0000

135.5767,

135.3158, 215.4266

169.1712,
169.4853, 262.9234

■ 13.5373, 12.6977,
30.1712

■ 13.5373, 12.6977,
30.1712

■ 11.2561, 9.9637,
29.7640

■ 16.2816, 15.9325,
30.6512

■ 9.4107, 7.7036,
29.4250

■ 19.5117, 19.6903,
31.2063

■ 7.9728, 5.8903,
29.1508

■ 23.2501, 23.9936,
31.8398

■ 6.9103, 4.4929,
28.9370

■ 27.5179, 28.8632,
32.5548

■ 6.1857, 3.4767,
28.7791

■ 32.3346, 34.3188,
33.3540

■ 5.7945, 2.9092,
28.6902

■ 37.7190, 40.3790,
34.2400

■ 43.6889, 47.0619,
35.2152

■ 50.2612, 54.3845,
36.2822

■ 57.4523, 62.3633,
37.4433

Harmonies

Analogous

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



11.1645, 12.6977, 30.8015



13.5373, 12.6977, 30.1712



15.7678, 12.6977, 24.4028

Triad

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



13.5373, 12.6977, 30.1712



15.3475, 12.6977, 6.2379



8.1568, 12.6977, 11.3349

Complementary

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



13.5373, 12.6977, 30.1712



23.1633, 25.2394, 12.4557

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.



8.9989, 12.6977, 6.8551



13.5373, 12.6977, 30.1712



13.0206, 12.6977, 4.6202

Square

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



13.5373, 12.6977, 30.1712



16.9029, 12.6977, 10.1616



10.7105, 12.6977, 4.8016



8.2572, 12.6977, 18.2789

Rectangle

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



13.5373, 12.6977, 30.1712



16.7798, 12.6977, 19.2291



10.7105, 12.6977, 4.8016



8.3340, 12.6977, 9.5430

Sweetspot

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



13.5378, 12.6982, 30.1715



40.9373, 42.1663, 56.9025



19.1334, 25.2928, 27.7105



8.7587, 8.9847, 12.5574



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.



13.5378, 12.6982, 30.1715



20.2486, 17.9531, 53.3193



14.6912, 11.8874, 29.9542



5.5765, 5.7870, 7.2928



4.8932, 2.4812, 24.1520



0.0752, 0.0610, 0.3007

Inverse Universe

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



17.8803, 13.9089, 13.0518



29.2223, 20.7951, 17.8662



21.4885, 26.8382, 12.8526



5.8397, 5.8309, 6.2619



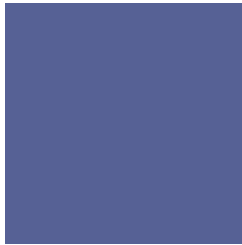
10.5969, 5.4438, 1.3585



0.1374, 0.0697, 0.0573

Previews

White Background



This preview shows how the XYZ color 13.5373, 12.6977, 30.1712 looks on a white background.

Color Contrast Check

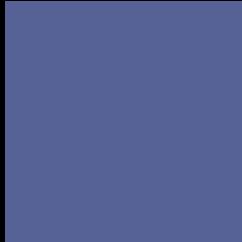
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5373, 12.6977, 30.1712 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 13.5373, 12.6977, 30.1712

Background



This preview shows how black text looks on a background with the XYZ color 13.5373, 12.6977, 30.1712.



This preview shows how white text looks on a background with the XYZ color 13.5373, 12.6977,

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

13.5373, 12.6977, 30.1712

Protanopia

13.3524, 12.7312, 30.6078

Deuteranopia

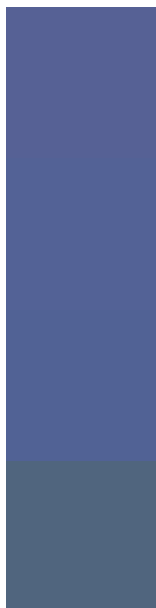
13.0285, 12.7133, 30.2010



Tritanopia

10.9114, 12.6294, 17.4854

Trichromacy



Original Color

13.5373, 12.6977, 30.1712

Protanomaly

13.4400, 12.7764, 30.6119

Deuteranomaly

13.1858, 12.6546, 30.1814

Tritanomaly

11.7278, 12.5192, 21.5370

Monochromacy



Original Color

13.5373, 12.6977, 30.1712

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.4512, 12.6646, 18.9278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5373, 12.6977, 30.1712 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(86, 97, 149)` looks like.

```
.text, #text, p{  
    color:rgb(86, 97, 149)  
}
```

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(86, 97, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 97, 149) }
```

Border

The CSS property to change the border of an element to XYZ 13.5373, 12.6977, 30.1712 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(86, 97, 149) }
```


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

```
.border{ border-color:rgb(86, 97, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 97, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 97, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 97, 149);  
box-shadow:4px 4px 4px 4px rgb(86, 97,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5373, 12.6977, 30.1712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 97, 149) }
```

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

```
.background{ background-color: rgb(86, 97,  
149) }
```

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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