

Converting Colors

XYZ(13.4180, 12.6045, 34.9838)

Have a look what the booklet for
XYZ(13.4180, 12.6045, 34.9838)
contains.

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Color

**XYZ(13.4605, 12.6899,
34.9977)**

Conversions

Conversions Part 1

Format	Color
Hex	4962A0
RGB	73, 98, 160
RGB Percent	29%, 38%, 63%
CMY	0.7137, 0.6157, 0.3725
CMYK	0.54, 0.39, 0.00, 0.37
HSL	223°, 37%, 46%
HSV	223°, 54%, 63%
XYZ	13.4605, 12.6899, 34.9977
YIQ	97.5930, -34.8020, 13.9820

Conversions

Conversions Part 2

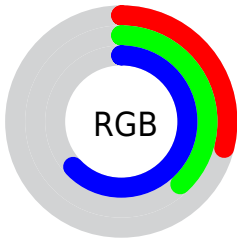
Format	Color
R_{YB}	73, 92, 160
Decimal	4809376
CIE Lab	42.29, 9.36, -36.50
CIE LCh	42, 37.679, 284.387
Yxy	12.6899, 0.2201, 0.2075
Android (android.graphics.Color)	4282999456 (0xFF4962A0)
YUV	97.5930, 30.7667, -21.5681
Hunter-Lab	35.6229, 5.1081, -33.3134

Details

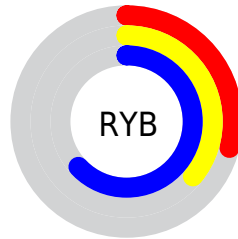
The XYZ color **13.4605, 12.6899, 34.9977** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.3645, 25.2836, 9.9001**, and the grayscale version is **11.4414, 12.0372, 13.1086**.

A 20% lighter version of the original color is **31.6080, 30.5981, 68.5301**, and **4.0349, 3.5903, 14.6677** is the 20% darker color. If you saturate the color by 10%, you get **11.4086, 10.1597, 34.6177**, and if you desaturate by 10%, it is **15.9773, 15.6858, 35.4436**.

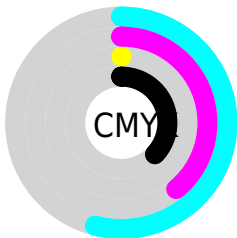
Distribution



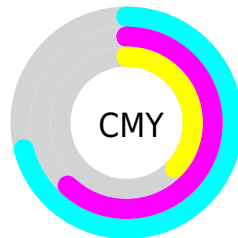
- Red (29%)
- Green (38%)
- Blue (63%)



- Red (29%)
- Yellow (36%)
- Blue (63%)



- Cyan (54%)
- Magenta (39%)
- Yellow (0%)
- Black (37%)



- Cyan (71%)
- Magenta (62%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4605, 12.6899, 34.9977 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 13.4605, 12.6899, 34.9977 by changing the saturation by 10% instead.

■ 13.4605, 12.6899,
34.9977

■ 13.4605, 12.6899,
34.9977

207.4267,
208.9206, 339.4621

■ 7.8256, 7.2154,
23.3776

■ 31.7230, 30.7455,
68.6337

■ 4.0344, 3.5971,
14.6646

■ 45.0812, 44.0954,
91.4867

■ 1.7216, 1.4509,
8.4404

■ 61.7447, 60.8392,
118.9211

■ 0.4697, 0.2538,
4.2862

■ 82.0786, 81.3613,
151.3553

■ 0.0000, 0.0000,
1.7836

■ 106.4485,
106.0461, 189.2080

■ 0.0000, 0.0000,
0.4171

135.2195,

■ 0.0000, 0.0000,

135.2780, 232.8977

0.0000

168.7571,
169.4414, 282.8429

■ 13.4605, 12.6899,
34.9977

■ 13.4605, 12.6899,
34.9977

■ 11.4086, 10.1597,
34.6177

■ 15.9773, 15.6858,
35.4436

■ 9.7892, 8.0684,
34.2994

■ 18.9853, 19.1694,
35.9574

■ 8.5680, 6.3883,
34.0395

■ 22.5106, 23.1627,
36.5424

■ 7.7034, 5.0872,
33.8339

■ 26.5770, 27.6860,
37.2012

■ 7.3212, 4.4901,
33.7388

■ 31.2067, 32.7584,
37.9362

■ 36.4205, 38.3980,
38.7500

■ 42.2385, 44.6221,
39.6447

■ 48.6793, 51.4473,
40.6226

■ 55.7612, 58.8893,
41.6858

Harmonies

Analogous

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



10.6592, 12.6899, 34.8381



13.4605, 12.6899, 34.9977



16.2691, 12.6899, 28.1634

Triad

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



13.4605, 12.6899, 34.9977



16.3694, 12.6899, 5.5483



7.5539, 12.6899, 10.0426

Complementary

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



13.4605, 12.6899, 34.9977



24.3645, 25.2836, 9.9001

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.



8.6500, 12.6899, 5.4214



13.4605, 12.6899, 34.9977



13.5814, 12.6899, 3.6040

Square

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



13.4605, 12.6899, 34.9977



18.1178, 12.6899, 10.3043



10.7627, 12.6899, 3.5690



7.5319, 12.6899, 18.0493

Rectangle

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



13.4605, 12.6899, 34.9977



17.6458, 12.6899, 21.6824



10.7627, 12.6899, 3.5690



7.8002, 12.6899, 8.1293

Sweetspot

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



13.4610, 12.6903, 34.9980



46.7479, 48.6027, 67.3039



19.6151, 28.2770, 26.9425



9.9340, 10.3062, 14.7094



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



13.4610, 12.6903, 34.9980



20.1032, 17.6731, 62.7382



12.9838, 9.4976, 34.4069



6.4323, 6.7303, 8.3667



5.7368, 3.5652, 26.2930



0.1361, 0.1308, 0.4813

Inverse Universe

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



19.0848, 13.1211, 13.0824



31.6554, 19.5345, 17.5010



25.0324, 31.4271, 11.0507



6.7075, 6.6759, 7.3110



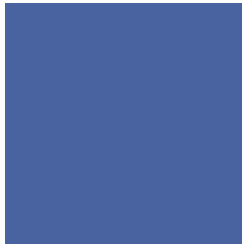
11.6939, 5.9821, 2.6391



0.2260, 0.1137, 0.1363

Previews

White Background



This preview shows how the XYZ color 13.4605, 12.6899, 34.9977 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 13.4605, 12.6899, 34.9977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

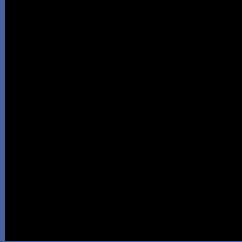
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

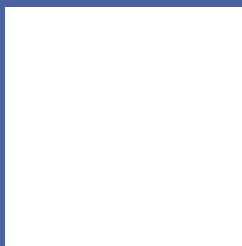
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4605, 12.6899, 34.9977

Background



This preview shows how black text looks on a background with the XYZ color 13.4605, 12.6899, 34.9977.



This preview shows how white text looks on a background with the XYZ color 13.4605, 12.6899,

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

13.4605, 12.6899, 34.9977

Protanopia

13.6003, 12.6240, 34.9776

Deuteranopia

13.0823, 12.7762, 35.0343



Tritanopia

10.0974, 12.6462, 18.4318

Trichromacy



Original Color

13.4605, 12.6899, 34.9977

Protanomaly

13.5215, 12.5833, 34.9739

Deuteranomaly

13.1909, 12.6907, 35.0120

Tritanomaly

11.1651, 12.6233, 23.6779

Monochromacy



Original Color

13.4605, 12.6899, 34.9977

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9387, 12.2397, 19.8224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4605, 12.6899, 34.9977 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(73, 98, 160)` looks like.

```
.text, #text, p{  
    color:rgb(73, 98, 160)  
}
```

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(73, 98, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 98, 160) }
```

Border

The CSS property to change the border of an element to XYZ 13.4605, 12.6899, 34.9977 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(73, 98, 160) }
```


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

```
.border{ border-color:rgb(73, 98, 160) }
```

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

Here you see how a box with a 4 pixel rgb(73, 98, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 98, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 98, 160);  
box-shadow:4px 4px 4px 4px rgb(73, 98,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4605, 12.6899, 34.9977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 98, 160) }
```

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

```
.background{ background-color: rgb(73, 98,  
160) }
```

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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