

Converting Colors

XYZ(14.8617, 13.1543, 56.0341)

Have a look what the booklet for
XYZ(14.8617, 13.1543, 56.0341)
contains.

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Color

**XYZ(14.7706, 13.0472,
55.7727)**

Conversions

Conversions Part 1

Format	Color
Hex	0063C7
RGB	0, 99, 199
RGB Percent	0%, 39%, 78%
CMY	0.9998, 0.6118, 0.2196
CMYK	1.00, 0.50, 0.00, 0.22
HSL	210°, 100%, 39%
HSV	210°, 100%, 78%
XYZ	14.7706, 13.0472, 55.7727
YIQ	80.7990, -91.1040, 10.1120

Conversions

Conversions Part 2

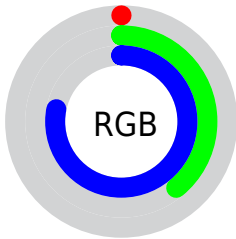
Format	Color
RYB	0, 66, 199
Decimal	25543
CIELab	42.83, 15.22, -58.59
CIELCh	43, 60.530, 284.564
Yxy	13.0472, 0.1767, 0.1561
Android (android.graphics.Color)	4278215623 (0xFF0063C7)
YUV	80.7990, 58.2731, -70.8607
Hunter-Lab	36.1209, 9.7808, -66.2624

Details

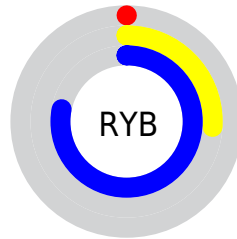
The XYZ color **14.7706, 13.0472, 55.7727** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **28.1145, 21.2641, 2.6237**, and the grayscale version is **7.6857, 8.0860, 8.8057**.

A 20% lighter version of the original color is **33.7272, 31.2563, 98.8632**, and **6.3532, 4.6520, 26.9486** is the 20% darker color. If you saturate the color by 10%, you get **14.7689, 13.0436, 55.7724**, and if you desaturate by 10%, it is **16.0650, 15.2094, 56.1222**.

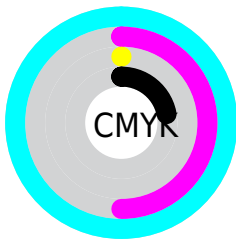
Distribution



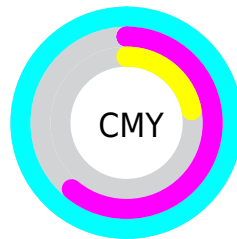
- Red (0%)
- Green (39%)
- Blue (78%)



- Red (0%)
- Yellow (26%)
- Blue (78%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (61%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7706, 13.0472, 55.7727 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 14.7706, 13.0472, 55.7727 by changing the saturation by 10% instead.

■ 14.7706, 13.0472,
55.7727

■ 14.7706, 13.0472,
55.7727

215.3895,
211.2199, 426.1986

■ 8.7438, 7.4611,
39.6179

■ 34.0252, 31.3886,
100.1546

■ 4.6302, 3.7521,
26.9293

■ 47.9837, 44.9126,
129.2189

■ 2.0645, 1.5359,
17.2881

■ 65.3169, 61.8513,
163.4234

■ 0.6698, 0.3138,
10.2760

■ 86.3900, 82.5892,
203.1867

■ 0.0000, 0.0000,
5.4744

■ 111.5685,
107.5106, 248.9273

■ 0.0000, 0.0000,
2.4646

■ 141.2177,

■ 0.0000, 0.0000,

136.9999, 301.0638

0.8213

175.7029,
171.4416, 360.0147

■ 0.0000, 0.0000,
0.0000

■ 14.7706, 13.0472,
55.7727

■ 14.7706, 13.0472,
55.7727

■ 14.7689, 13.0436,
55.7724

■ 16.0650, 15.2094,
56.1222

■ 17.7750, 17.7661,
56.5255

■ 20.0077, 20.7783,
56.9893

■ 22.8206, 24.2810,
57.5171

■ 26.2626, 28.3048,
58.1123

■ 30.3773, 32.8771,
58.7780

■ 35.2037, 38.0230,
59.5169

■ 40.7778, 43.7657,
60.3316

■ 47.1330, 50.1269,
61.2244

Harmonies

Analogous

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



10.1845, 13.0472, 55.5237



14.7706, 13.0472, 55.7727



19.7339, 13.0472, 41.1199

Triad

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



14.7706, 13.0472, 55.7727



19.8645, 13.0472, 2.7902



5.6598, 13.0472, 8.4555

Complementary

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



14.7706, 13.0472, 55.7727



28.1145, 21.2641, 2.6237

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.



7.1553, 13.0472, 2.6987



14.7706, 13.0472, 55.7727



14.9178, 13.0472, 1.0891

Square

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



14.7706, 13.0472, 55.7727



23.1339, 13.0472, 8.7228



10.2994, 13.0472, 1.0711



5.6390, 13.0472, 21.6087

Rectangle

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



14.7706, 13.0472, 55.7727



22.2728, 13.0472, 28.1676



10.2994, 13.0472, 1.0711



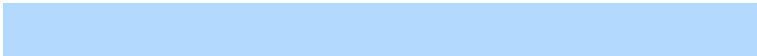
5.9862, 13.0472, 5.8436

Sweetspot

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



14.7712, 13.0475, 55.7731



61.2221, 66.1384, 104.1470



22.7011, 41.7582, 18.7987



12.3022, 13.3088, 22.1704



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



14.7712, 13.0475, 55.7731



25.6180, 22.3560, 97.5727



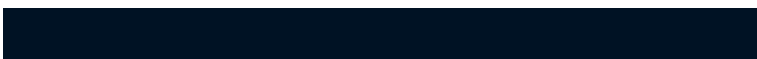
10.3098, 4.1246, 54.2859



10.4851, 11.1444, 13.5159



9.5842, 8.5623, 35.8919



0.5263, 0.5503, 1.7236

Inverse Universe

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



25.8059, 13.0439, 12.9621



45.0600, 22.7880, 22.0457



43.9771, 52.9894, 7.9113



10.8502, 10.7234, 12.1942



16.6370, 8.4044, 8.5642



0.8243, 0.4126, 0.5981

Previews

White Background



This preview shows how the XYZ color 14.7706, 13.0472, 55.7727 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 14.7706, 13.0472, 55.7727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

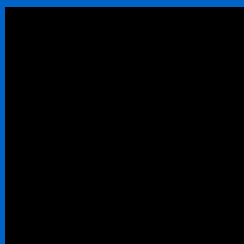
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

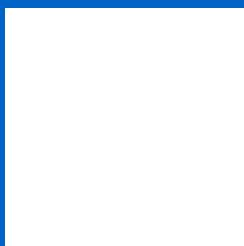
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.7706, 13.0472, 55.7727

Background



This preview shows how black text looks on a background with the XYZ color 14.7706, 13.0472, 55.7727.



This preview shows how white text looks on a background with the XYZ color 14.7706, 13.0472,

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

14.7706, 13.0472, 55.7727

Protanopia

15.2278, 13.0317, 54.5361

Deuteranopia

12.9869, 12.9552, 44.4639



Tritanopia

9.1239, 12.9203, 19.4657

Trichromacy



Original Color

14.7706, 13.0472, 55.7727

Protanomaly

14.9616, 13.0193, 55.1505

Deuteranomaly

13.6143, 13.0479, 48.2553

Tritanomaly

10.6030, 12.6535, 29.9005

Monochromacy



Original Color

14.7706, 13.0472, 55.7727

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

8.5440, 9.1647, 20.3874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7706, 13.0472, 55.7727 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, 99, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 199)  
}
```

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, 99, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 199) }
```

Border

The CSS property to change the border of an element to XYZ 14.7706, 13.0472, 55.7727 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, 99, 199) }
```


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

```
.border{ border-color:rgb(0, 99, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 99, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 199)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.7706, 13.0472, 55.7727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 199) }
```

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

```
.background{ background-color: rgb(0, 99,  
199) }
```

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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