

Converting Colors

XYZ(13.5626, 10.6497, 55.3127)

Have a look what the booklet for
XYZ(13.5626, 10.6497, 55.3127)
contains.

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Color

**XYZ(13.5573, 10.6205,
55.3682)**

Conversions

Conversions Part 1

Format	Color
Hex	0055C7
RGB	0, 85, 199
RGB Percent	0%, 33%, 78%
CMY	0.9998, 0.6667, 0.2196
CMYK	1.00, 0.57, 0.00, 0.22
HSL	214°, 100%, 39%
HSV	214°, 100%, 78%
XYZ	13.5573, 10.6205, 55.3682
YIQ	72.5810, -87.2540, 17.4340

Conversions

Conversions Part 2

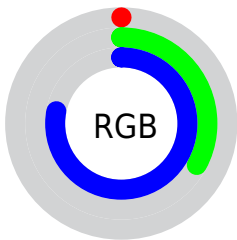
Format	Color
R _Y B	0, 60, 199
Decimal	21959
CIE Lab	38.93, 24.46, -64.92
CIE LCh	39, 69.378, 290.646
Yxy	10.6205, 0.1704, 0.1335
Android (android.graphics.Color)	4278212039 (0xFF0055C7)
YUV	72.5810, 62.3246, -63.6535
Hunter-Lab	32.5891, 17.2263, -77.9201

Details

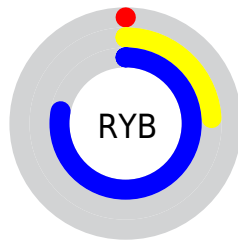
The XYZ color **13.5573, 10.6205, 55.3682** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **29.5761, 24.1873, 3.1111**, and the grayscale version is **6.1687, 6.4900, 7.0676**.

A 20% lighter version of the original color is **31.6121, 26.8669, 98.1274**, and **5.8620, 3.6695, 26.7849** is the 20% darker color. If you saturate the color by 10%, you get **13.5553, 10.6164, 55.3678**, and if you desaturate by 10%, it is **14.8159, 12.7110, 55.7057**.

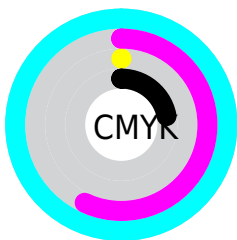
Distribution



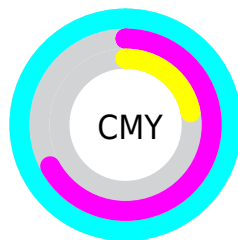
- Red (0%)
- Green (33%)
- Blue (78%)



- Red (0%)
- Yellow (24%)
- Blue (78%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (67%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5573, 10.6205, 55.3682 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 13.5573, 10.6205, 55.3682 by changing the saturation by 10% instead.

■ 13.5573, 10.6205,
55.3682

■ 13.5573, 10.6205,
55.3682

208.0253,
195.0451, 424.6274

■ 7.8930, 5.8123,
39.2960

■ 31.8943, 26.9562,
99.5568

■ 4.0778, 2.7313,
26.6805

■ 45.2978, 39.2525,
128.5102

■ 1.7463, 0.9931,
17.1031

■ 62.0117, 54.8136,
162.5945

■ 0.4850, 0.0000,
10.1453

■ 82.4014, 74.0239,
202.2282

■ 0.0000, 0.0000,
5.3885

■ 106.8322, 97.2679,
247.8297

■ 0.0000, 0.0000,
2.4143

135.6696,

■ 0.0000, 0.0000,

124.9298, 299.8178

0.7942

169.2788,
157.3940, 358.6108

■ 0.0000, 0.0000,
0.0000

■ 13.5573, 10.6205,
55.3682

■ 13.5573, 10.6205,
55.3682

■ 13.5553, 10.6164,
55.3678

■ 14.8159, 12.7110,
55.7057

■ 16.5199, 15.2556,
56.1070

■ 18.7785, 18.3194,
56.5793

■ 21.6513, 21.9417,
57.1271

■ 25.1891, 26.1568,
57.7542

■ 29.4372, 30.9958,
58.4644

■ 34.4364, 36.4870,
59.2608

■ 40.2243, 42.6570,
60.1466

■ 46.8358, 49.5304,
61.1249

Harmonies

Analogous

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



8.7198, 10.6205, 59.1261



13.5573, 10.6205, 55.3682



18.6272, 10.6205, 36.3216

Triad

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



13.5573, 10.6205, 55.3682



16.8312, 10.6205, 0.9426



3.6266, 10.6205, 7.9057

Complementary

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



13.5573, 10.6205, 55.3682



29.5761, 24.1873, 3.1111

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.



4.6705, 10.6205, 1.7758



13.5573, 10.6205, 55.3682



11.6065, 10.6205, 0.0000

Square

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



13.5573, 10.6205, 55.3682



20.8824, 10.6205, 4.7189



7.2780, 10.6205, 0.1542



3.8598, 10.6205, 23.0370

Rectangle

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



13.5573, 10.6205, 55.3682



20.9936, 10.6205, 22.1956



7.2780, 10.6205, 0.1542



3.8239, 10.6205, 5.0212

Sweetspot

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



13.5579, 10.6207, 55.3685



59.8605, 63.4151, 103.6931



23.3927, 42.0348, 22.4404



11.9815, 12.6675, 22.0635



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.



13.5579, 10.6207, 55.3685



23.5064, 18.1329, 96.8688



10.4799, 4.2125, 54.2938



10.4228, 11.0197, 13.4952



8.7994, 6.9927, 35.6303



0.4882, 0.4741, 1.7109

Inverse Universe

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



25.1935, 12.7990, 9.7368



43.9942, 22.3617, 16.4332



40.6096, 51.2533, 7.7538



10.8187, 10.7109, 12.0285



16.2409, 8.2459, 6.4783



0.8051, 0.4049, 0.4968

Previews

White Background



This preview shows how the XYZ color 13.5573, 10.6205, 55.3682 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 13.5573, 10.6205, 55.3682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

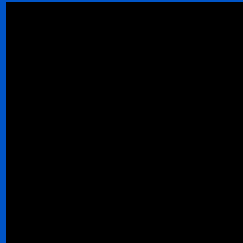
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5573, 10.6205, 55.3682

Background



This preview shows how black text looks on a background with the XYZ color 13.5573, 10.6205, 55.3682.



This preview shows how white text looks on a background with the XYZ color 13.5573, 10.6205,

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

13.5573, 10.6205, 55.3682

Protanopia

12.4594, 10.5673, 48.3967

Deuteranopia

10.4357, 10.5786, 35.2101

Trichromacy



Original Color

13.5573, 10.6205, 55.3682

Protanomaly

12.8122, 10.5780, 50.6567

Deuteranomaly

11.4789, 10.5773, 41.9941

Monochromacy



Original Color

13.5573, 10.6205, 55.3682

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.1104, 7.2205, 18.4717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5573, 10.6205, 55.3682 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, 85, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 85, 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, 85, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 85, 199) }
```

Border

The CSS property to change the border of an element to XYZ 13.5573, 10.6205, 55.3682 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, 85, 199) }
```

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

```
.border{ border-color:rgb(0, 85, 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, 85, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 85, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 85, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 85, 199)  
}
```


Background

The CSS property to change the background color of an element to XYZ 13.5573, 10.6205, 55.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 85, 199) }
```

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

```
.background{ background-color: rgb(0, 85,  
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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