

Converting Colors

XYZ(21.5494, 23.6377, 67.1791)

Have a look what the booklet for
XYZ(21.5494, 23.6377, 67.1791)
contains.

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Color

**XYZ(21.5157, 23.6112,
67.0417)**

Conversions

Conversions Part 1

Format	Color
Hex	008CD6
RGB	0, 140, 214
RGB Percent	0%, 55%, 84%
CMY	0.9998, 0.4510, 0.1608
CMYK	1.00, 0.35, 0.00, 0.16
HSL	201°, 100%, 42%
HSV	201°, 100%, 84%
XYZ	21.5157, 23.6112, 67.0417
YIQ	106.5760, -107.1940, -6.6660

Conversions

Conversions Part 2

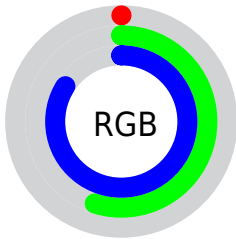
Format	Color
R _Y B	0, 85, 214
Decimal	36054
CIE Lab	55.70, -4.31, -46.53
CIE LCh	56, 46.732, 264.708
Yxy	23.6112, 0.1918, 0.2105
Android (android.graphics.Color)	4278226134 (0xFF008CD6)
YUV	106.5760, 52.9600, -93.4672
Hunter-Lab	48.5914, -5.9971, -47.7887

Details

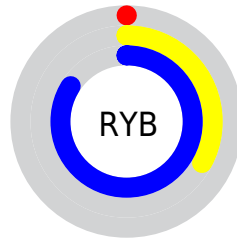
The XYZ color **21.5157, 23.6112, 67.0417** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **30.1844, 19.2011, 2.1169**, and the grayscale version is **13.7425, 14.4582, 15.7449**.

A 20% lighter version of the original color is **42.4868, 48.1266, 101.6578**, and **9.9142, 9.8155, 34.1729** is the 20% darker color. If you saturate the color by 10%, you get **21.5132, 23.6061, 67.0414**, and if you desaturate by 10%, it is **22.9532, 26.0125, 67.4300**.

Distribution



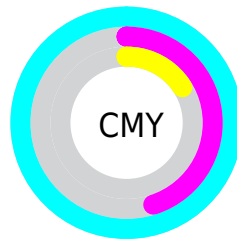
- Red (0%)
- Green (55%)
- Blue (84%)



- Red (0%)
- Yellow (33%)
- Blue (84%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (45%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5157, 23.6112, 67.0417 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 21.5157, 23.6112, 67.0417 by changing the saturation by 10% instead.

■ 21.5157, 23.6112,
67.0417

■ 21.5157, 23.6112,
67.0417

252.6868,
270.8489, 468.5987

■ 13.6161, 15.0455,
48.6567

■ 45.4291, 49.3950,
116.6214

■ 7.9340, 8.8513,
33.9836

■ 62.1736, 67.3818,
148.6531

■ 4.1042, 4.6443,
22.6037

■ 82.5970, 89.2778,
186.0709

■ 1.7613, 2.0401,
14.0986

■ 107.0648,
115.4674, 229.2932

■ 0.4942, 0.6306,
8.0498

■ 135.9424,
146.3348, 278.7386

■ 0.0000, 0.0000,
4.0386

169.5950,

■ 0.0000, 0.0000,

182.2647, 334.8256

1.6465

208.3880,
223.6412, 397.9728

■ 0.0000, 0.0000,
0.3237

■ 0.0000, 0.0000,
0.0000

■ 21.5157, 23.6112,
67.0417

■ 21.5157, 23.6112,
67.0417

■ 21.5132, 23.6061,
67.0414

■ 22.9532, 26.0125,
67.4300

■ 24.8168, 28.7433,
67.8588

■ 27.2254, 31.8672,
68.3348

■ 30.2452, 35.4200,
68.8615

■ 33.9319, 39.4326,
69.4417

■ 38.3346, 43.9321,
70.0781

■ 43.4975, 48.9430,
70.7732

■ 49.4610, 54.4879,
71.5291

■ 56.2624, 60.5878,
72.3481

Harmonies

Analogous

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



17.0587, 23.6112, 57.6057



21.5157, 23.6112, 67.0417



26.9718, 23.6112, 62.3348

Triad

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



21.5157, 23.6112, 67.0417



33.0193, 23.6112, 15.3457



15.1155, 23.6112, 12.2745

Complementary

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



21.5157, 23.6112, 67.0417



30.1844, 19.2011, 2.1169

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.



18.4496, 23.6112, 7.2762



21.5157, 23.6112, 67.0417



28.8526, 23.6112, 8.4982

Square

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



21.5157, 23.6112, 67.0417



34.1822, 23.6112, 28.4929



23.3940, 23.6112, 6.2334



13.7541, 23.6112, 23.1118

Rectangle

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



21.5157, 23.6112, 67.0417



30.3927, 23.6112, 52.4970



23.3940, 23.6112, 6.2334



16.0145, 23.6112, 10.0554

Sweetspot

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



21.5166, 23.6119, 67.0423



64.4173, 72.5288, 105.2120



25.1967, 48.5535, 14.0674



13.0612, 14.8269, 22.4234



0.0000, 0.0000, 0.0000



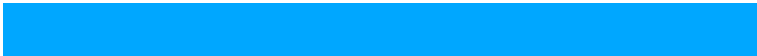
20.3446, 21.4041, 23.3091

Same Dimension

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



21.5166, 23.6119, 67.0423



31.8323, 34.7845, 99.6441



12.7606, 6.0998, 64.1236



12.4138, 13.3510, 15.8602



13.1037, 14.4693, 40.5554



0.8662, 1.0245, 2.4714

Inverse Universe

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



32.4661, 16.1909, 26.2254



48.1967, 24.0427, 38.5632



43.7208, 46.2738, 6.6290



12.7621, 12.5563, 14.6873



19.6730, 9.8055, 16.1141



1.2249, 0.6067, 1.1736

Previews

White Background



This preview shows how the XYZ color 21.5157, 23.6112, 67.0417 looks on a white 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

Black Background



This preview shows how the XYZ color 21.5157, 23.6112, 67.0417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

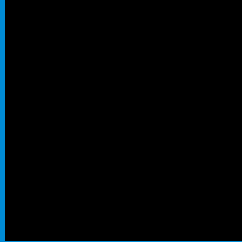
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.5157, 23.6112, 67.0417

Background



This preview shows how black text looks on a background with the XYZ color 21.5157, 23.6112, 67.0417.

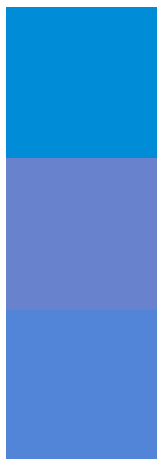


This preview shows how white text looks on a background with the XYZ color 21.5157, 23.6112,

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

21.5157, 23.6112, 67.0417

Protanopia

24.8278, 23.3763, 60.9611

Deuteranopia

24.2619, 23.5268, 68.2281



Tritanopia

16.7615, 23.6484, 36.0289

Trichromacy



Original Color

21.5157, 23.6112, 67.0417

Protanomaly

22.2250, 22.7976, 62.9035

Deuteranomaly

22.4861, 23.2447, 67.5915

Tritanomaly

18.1613, 23.4652, 45.6915

Monochromacy



Original Color

21.5157, 23.6112, 67.0417

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.1690, 16.4979, 29.6318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5157, 23.6112, 67.0417 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, 140, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 214)  
}
```

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, 140, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 214) }
```

Border

The CSS property to change the border of an element to XYZ 21.5157, 23.6112, 67.0417 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, 140, 214) }
```


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

```
.border{ border-color:rgb(0, 140, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5157, 23.6112, 67.0417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 214) }
```

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

```
.background{ background-color: rgb(0, 140,  
214) }
```

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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