

Converting Colors

XYZ(8.8415, 16.7915, 65.6631)

Have a look what the booklet for
XYZ(8.8415, 16.7915, 65.6631)
contains.

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Color

**XYZ(21.2429, 23.2693,
66.3226)**

Conversions

Conversions Part 1

Format	Color
Hex	008BD5
RGB	0, 139, 213
RGB Percent	0%, 55%, 84%
CMY	0.9998, 0.4549, 0.1647
CMYK	1.00, 0.35, 0.00, 0.16
HSL	201°, 100%, 42%
HSV	201°, 100%, 84%
XYZ	21.2429, 23.2693, 66.3226
YIQ	105.8750, -106.5980, -6.4540

Conversions

Conversions Part 2

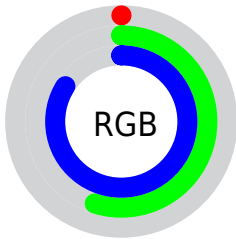
Format	Color
RYB	0, 84, 213
Decimal	35797
CIELab	55.35, -4.10, -46.52
CIELCh	55, 46.703, 264.957
Yxy	23.2693, 0.1917, 0.2099
Android (android.graphics.Color)	4278225877 (0xFF008BD5)
YUV	105.8750, 52.8126, -92.8524
Hunter-Lab	48.2383, -5.8101, -47.7508

Details

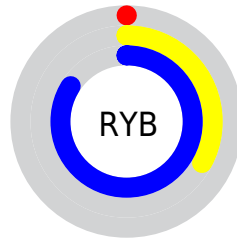
The XYZ color **21.2429, 23.2693, 66.3226** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **29.8937, 19.0515, 2.1034**, and the grayscale version is **13.5513, 14.2571, 15.5259**.

A 20% lighter version of the original color is **42.2665, 47.6860, 101.5844**, and **9.8277, 9.7810, 33.7177** is the 20% darker color. If you saturate the color by 10%, you get **21.2402, 23.2639, 66.3222**, and if you desaturate by 10%, it is **22.6683, 25.6497, 66.7075**.

Distribution



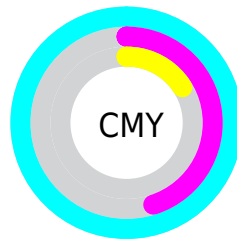
- Red (0%)
- Green (55%)
- Blue (84%)



- 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 21.2429, 23.2693, 66.3226 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 21.2429, 23.2693, 66.3226 by changing the saturation by 10% instead.

■ 21.2429, 23.2693,
66.3226

■ 21.2429, 23.2693,
66.3226

251.2739,
269.1052, 465.9654

■ 13.4151, 14.7925,
48.0762

■ 44.9797, 48.8351,
115.5806

■ 7.7940, 8.6739,
33.5268

■ 61.6194, 66.6930,
147.4294

■ 4.0141, 4.5291,
22.2559

■ 81.9272, 88.4466,
184.6493

■ 1.7101, 1.9737,
13.8449

■ 106.2683,
114.4803, 227.6589

■ 0.4626, 0.5921,
7.8754

■ 135.0082,
145.1787, 276.8768

■ 0.0000, 0.0000,
3.9287

168.5122,

■ 0.0000, 0.0000,

180.9260, 332.7214

1.5863

207.1457,
222.1067, 395.6115

■ 0.0000, 0.0000,
0.2810

■ 0.0000, 0.0000,
0.0000

■ 21.2429, 23.2693,
66.3226

■ 21.2429, 23.2693,
66.3226

■ 21.2402, 23.2639,
66.3222

■ 22.6683, 25.6497,
66.7075

■ 24.5157, 28.3572,
67.1327

■ 26.9030, 31.4548,
67.6048

■ 29.8953, 34.9781,
68.1271

■ 33.5481, 38.9575,
68.7027

■ 37.9097, 43.4198,
69.3341

■ 43.0239, 48.3893,
70.0238

■ 48.9306, 53.8885,
70.7739

■ 55.6668, 59.9382,
71.5866

Harmonies

Analogous

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



16.8211, 23.2693, 57.0665



21.2429, 23.2693, 66.3226



26.6465, 23.2693, 61.5366

Triad

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



21.2429, 23.2693, 66.3226



32.5673, 23.2693, 15.0067



14.8505, 23.2693, 12.1166

Complementary

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



21.2429, 23.2693, 66.3226



29.8937, 19.0515, 2.1034

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.



18.1319, 23.2693, 7.1460



21.2429, 23.2693, 66.3226



28.4214, 23.2693, 8.2932

Square

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



21.2429, 23.2693, 66.3226



33.7486, 23.2693, 27.9583



23.0143, 23.2693, 6.0917



13.5216, 23.2693, 22.8836

Rectangle

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



21.2429, 23.2693, 66.3226



30.0275, 23.2693, 51.7334



23.0143, 23.2693, 6.0917



15.7339, 23.2693, 9.9109

Sweetspot

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



21.2438, 23.2700, 66.3232



64.3829, 72.4600, 105.2006



24.9337, 48.0447, 13.9271



13.0530, 14.8105, 22.4207



0.0000, 0.0000, 0.0000



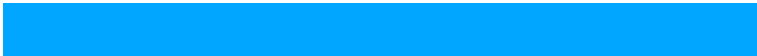
20.3446, 21.4041, 23.3091

Same Dimension

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



21.2438, 23.2700, 66.3232



31.7564, 34.6328, 99.6188



12.6283, 6.0390, 63.4514



12.4121, 13.3476, 15.8597



13.0732, 14.4081, 40.5452



0.8646, 1.0211, 2.4708

Inverse Universe

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



32.1017, 16.0116, 25.8251



48.1584, 24.0273, 38.3615



43.2642, 45.7926, 6.5602



12.7612, 12.5560, 14.6827



19.6576, 9.7994, 16.0327



1.2240, 0.6064, 1.1691

Previews

White Background



This preview shows how the XYZ color 21.2429, 23.2693, 66.3226 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 21.2429, 23.2693, 66.3226 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

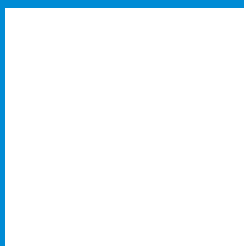
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2429, 23.2693, 66.3226

Background



This preview shows how black text looks on a background with the XYZ color 21.2429, 23.2693, 66.3226.

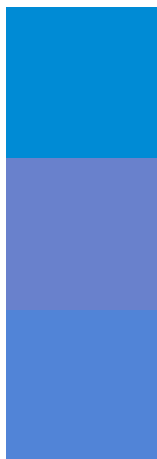


This preview shows how white text looks on a background with the XYZ color 21.2429, 23.2693,

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

21.2429, 23.2693, 66.3226

Protanopia

24.5750, 23.0634, 60.2832

Deuteranopia

23.9103, 23.1582, 67.4997



Tritanopia

16.5195, 23.3018, 35.5253

Trichromacy



Original Color

21.2429, 23.2693, 66.3226

Protanomaly

21.9648, 22.4733, 62.2116

Deuteranomaly

22.2177, 22.9130, 66.8700

Tritanomaly

17.9091, 23.1208, 45.1138

Monochromacy



Original Color

21.2429, 23.2693, 66.3226

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.9040, 16.1945, 29.1811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2429, 23.2693, 66.3226 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, 139, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 213)  
}
```

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, 139, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 213) }
```

Border

The CSS property to change the border of an element to XYZ 21.2429, 23.2693, 66.3226 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, 139, 213) }
```


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

```
.border{ border-color:rgb(0, 139, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2429, 23.2693, 66.3226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 213) }
```

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

```
.background{ background-color: rgb(0, 139,  
213) }
```

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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