

Converting Colors

XYZ(21.5805, 20.9878, 75.5505)

Have a look what the booklet for
XYZ(21.5805, 20.9878, 75.5505)
contains.

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Color

**XYZ(21.5843, 20.9844,
75.5858)**

Conversions

Conversions Part 1

Format	Color
Hex	0080E3
RGB	0, 128, 227
RGB Percent	0%, 50%, 89%
CMY	0.9998, 0.4980, 0.1098
CMYK	1.00, 0.44, 0.00, 0.11
HSL	206°, 100%, 45%
HSV	206°, 100%, 89%
XYZ	21.5843, 20.9844, 75.5858
YIQ	101.0140, -108.0670, 3.6530

Conversions

Conversions Part 2

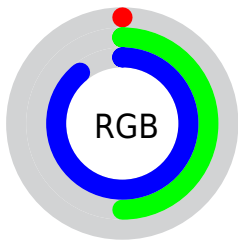
Format	Color
RYB	0, 82, 227
Decimal	32995
CIELab	52.93, 7.93, -58.24
CIELCh	53, 58.776, 277.751
Yxy	20.9844, 0.1827, 0.1776
Android (android.graphics.Color)	4278223075 (0xFF0080E3)
YUV	101.0140, 62.1111, -88.5893
Hunter-Lab	45.8087, 3.9409, -65.7642

Details

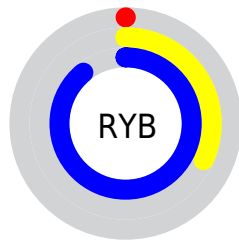
The XYZ color **21.5843, 20.9844, 75.5858** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **36.1465, 25.2659, 2.9734**, and the grayscale version is **12.2429, 12.8805, 14.0269**.

A 20% lighter version of the original color is **40.1970, 42.8658, 100.7631**, and **10.2193, 8.6776, 39.6644** is the 20% darker color. If you saturate the color by 10%, you get **21.5811, 20.9779, 75.5852**, and if you desaturate by 10%, it is **23.2877, 23.8746, 76.0544**.

Distribution



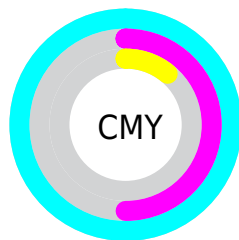
- Red (0%)
- Green (50%)
- Blue (89%)



- Red (0%)
- Yellow (32%)
- Blue (89%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (50%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5843, 20.9844, 75.5858 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 21.5843, 20.9844, 75.5858 by changing the saturation by 10% instead.

■ 21.5843, 20.9844,
75.5858

■ 21.5843, 20.9844,
75.5858

253.0410,
257.1956, 499.2377

■ 13.6667, 13.1126,
55.5883

■ 45.5420, 45.0616,
128.8960

■ 7.9693, 7.5061,
39.4712

■ 62.3127, 62.0357,
163.0457

■ 4.1270, 3.7806,
26.8158

■ 82.7651, 82.8128,
202.7500

■ 1.7742, 1.5516,
17.2037

■ 107.2647,
107.7772, 248.4273

■ 0.5021, 0.3246,
10.2164

■ 136.1767,
137.3132, 300.4961

■ 0.0000, 0.0000,
5.4352

169.8665,

■ 0.0000, 0.0000,

171.8054, 359.3751

2.4416

208.6995,
211.6380, 425.4828

■ 0.0000, 0.0000,
0.8090

■ 0.0000, 0.0000,
0.0000

■ 21.5843, 20.9844,
75.5858

■ 21.5843, 20.9844,
75.5858

■ 21.5811, 20.9779,
75.5852

■ 23.2877, 23.8746,
76.0544

■ 25.5272, 27.2334,
76.5847

■ 28.4374, 31.1351,
77.1844

■ 32.0966, 35.6249,
77.8581

■ 36.5712, 40.7415,
78.6099

■ 41.9194, 46.5195,
79.4433

■ 48.1939, 52.9902,
80.3616

■ 55.4427, 60.1826,
81.3678

■ 63.7104, 68.1238,
82.4648

Harmonies

Analogous

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



15.7906, 20.9844, 70.7755



21.5843, 20.9844, 75.5858



28.1047, 20.9844, 61.4986

Triad

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



21.5843, 20.9844, 75.5858



30.8441, 20.9844, 7.7442



10.8732, 20.9844, 12.2665

Complementary

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



21.5843, 20.9844, 75.5858



36.1465, 25.2659, 2.9734

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.



13.5406, 20.9844, 5.1600



21.5843, 20.9844, 75.5858



24.7709, 20.9844, 3.6435

Square

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



21.5843, 20.9844, 75.5858



34.1225, 20.9844, 18.5749



18.3910, 20.9844, 3.0304



10.3654, 20.9844, 27.7318

Rectangle

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



21.5843, 20.9844, 75.5858



31.7237, 20.9844, 46.1304



18.3910, 20.9844, 3.0304



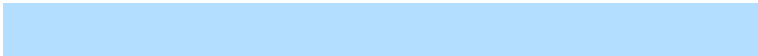
11.5159, 20.9844, 9.1134

Sweetspot

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



21.5852, 20.9850, 75.5864



62.5476, 68.7894, 104.5888



29.6936, 55.8283, 20.8655



12.6160, 13.9364, 22.2750



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.



21.5852, 20.9850, 75.5864



27.9870, 27.0939, 98.3623



14.0394, 5.8935, 73.0711



14.2536, 15.2287, 18.3325



12.7042, 12.4706, 44.1206



1.0309, 1.1056, 3.2910

Inverse Universe

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



35.5757, 17.8908, 22.0006



46.2557, 23.2663, 28.3424



55.1904, 63.3537, 9.3213



14.7156, 14.5034, 16.7028



20.8060, 10.4566, 13.1394



1.5840, 0.7913, 1.2156

Previews

White Background



This preview shows how the XYZ color 21.5843, 20.9844, 75.5858 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 21.5843, 20.9844, 75.5858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

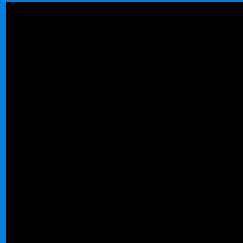
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.5843, 20.9844, 75.5858

Background



This preview shows how black text looks on a background with the XYZ color 21.5843, 20.9844, 75.5858.



This preview shows how white text looks on a background with the XYZ color 21.5843, 20.9844,

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

21.5843, 20.9844, 75.5858

Protanopia

23.3189, 20.8450, 71.2011

Deuteranopia

21.6719, 21.0296, 75.5899



Tritanopia

14.8029, 20.9261, 31.6927

Trichromacy



Original Color

21.5843, 20.9844, 75.5858

Protanomaly

21.8922, 20.4468, 72.6048

Deuteranomaly

21.6344, 21.0102, 75.5882

Tritanomaly

16.7400, 20.7826, 44.7241

Monochromacy



Original Color

21.5843, 20.9844, 75.5858

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.0653, 14.5655, 29.7266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5843, 20.9844, 75.5858 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, 128, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 227)  
}
```

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, 128, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 227) }
```

Border

The CSS property to change the border of an element to XYZ 21.5843, 20.9844, 75.5858 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, 128, 227) }
```


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

```
.border{ border-color:rgb(0, 128, 227) }
```

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

Here you see how a box with a 4 pixel rgb(0, 128, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5843, 20.9844, 75.5858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 227) }
```

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

```
.background{ background-color: rgb(0, 128,  
227) }
```

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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