

Converting Colors

XYZ(21.2809, 19.5515, 70.4375)

Have a look what the booklet for
XYZ(21.2809, 19.5515, 70.4375)
contains.

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Color

**XYZ(21.3312, 19.6543,
70.3795)**

Conversions

Conversions Part 1

Format	Color
Hex	3779DC
RGB	55, 121, 220
RGB Percent	22%, 47%, 86%
CMY	0.7843, 0.5255, 0.1373
CMYK	0.75, 0.45, 0.00, 0.14
HSL	216°, 70%, 54%
HSV	216°, 75%, 86%
XYZ	21.3312, 19.6543, 70.3795
YIQ	112.5520, -71.1150, 16.7970

Conversions

Conversions Part 2

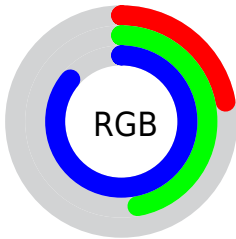
Format	Color
R_{YB}	55, 102, 220
Decimal	3635676
CIE _{Lab}	51.44, 13.14, -56.64
CIE _{LCh}	51, 58.148, 283.065
Yxy	19.6543, 0.1915, 0.1765
Android (android.graphics.Color)	4281825756 (0xFF3779DC)
YUV	112.5520, 52.9719, -50.4731
Hunter-Lab	44.3332, 8.3034, -63.0904

Details

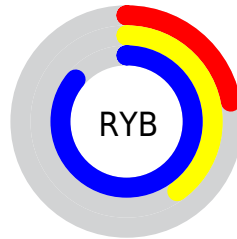
The XYZ color **21.3312, 19.6543, 70.3795** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **41.7629, 38.6069, 8.8667**, and the grayscale version is **15.4286, 16.2321, 17.6767**.

A 20% lighter version of the original color is **41.1619, 41.3181, 100.4135**, and **9.0834, 7.4454, 36.0803** is the 20% darker color. If you saturate the color by 10%, you get **18.8874, 16.1739, 69.8370**, and if you desaturate by 10%, it is **24.5329, 23.8517, 71.0214**.

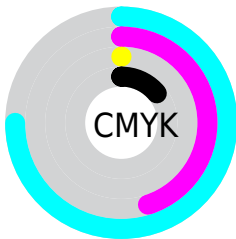
Distribution



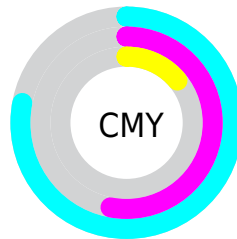
- Red (22%)
- Green (47%)
- Blue (86%)



- Red (22%)
- Yellow (40%)
- Blue (86%)



- Cyan (75%)
- Magenta (45%)
- Yellow (0%)
- Black (14%)



- Cyan (78%)
- Magenta (53%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3312, 19.6543, 70.3795 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 21.3312, 19.6543, 70.3795 by changing the saturation by 10% instead.

■ 21.3312, 19.6543,
70.3795

■ 21.3312, 19.6543,
70.3795

251.7320,
250.0374, 480.7065

■ 13.4802, 12.1440,
51.3573

■ 45.1252, 42.8368,
121.4360

■ 7.8393, 6.8418,
36.1143

■ 61.7989, 59.2778,
154.3073

■ 4.0432, 3.3634,
24.2321

■ 82.1442, 79.4646,
192.6321

■ 1.7266, 1.3243,
15.2921

■ 106.5264,
103.7814, 236.8288

■ 0.4728, 0.1599,
8.8757

■ 135.3110,
132.6127, 287.3161

■ 0.0000, 0.0000,
4.5645

168.8632,

■ 0.0000, 0.0000,

166.3429, 344.5124

1.9399

207.5484,
205.3563, 408.8364

■ 0.0000, 0.0000,
0.5179

■ 0.0000, 0.0000,
0.0000

■ 21.3312, 19.6543,
70.3795

■ 21.3312, 19.6543,
70.3795

■ 18.8874, 16.1739,
69.8370

■ 24.5329, 23.8517,
71.0214

■ 17.1127, 13.3509,
69.3856

■ 28.5618, 28.8136,
71.7668

■ 16.4074, 12.1454,
69.1901

■ 33.4810, 34.5846,
72.6214

■ 39.3466, 41.2048,
73.5901

■ 46.2095, 48.7111,
74.6772

■ 54.1171, 57.1380,
75.8870

■ 63.1133, 66.5183,
77.2235

■ 73.2396, 76.8826,
78.6903

■ 84.5350, 88.2604,
80.2911

Harmonies

Analogous

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



15.6022, 19.6543, 69.1460



21.3312, 19.6543, 70.3795



27.4282, 19.6543, 54.4664

Triad

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



21.3312, 19.6543, 70.3795



28.1254, 19.6543, 6.1120



9.8783, 19.6543, 13.3449

Complementary

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



21.3312, 19.6543, 70.3795



41.7629, 38.6069, 8.8667

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.



12.0243, 19.6543, 5.4710



21.3312, 19.6543, 70.3795



22.1399, 19.6543, 3.0374

Square

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



21.3312, 19.6543, 70.3795



31.8661, 19.6543, 14.9323



16.2596, 19.6543, 2.8873



9.7507, 19.6543, 29.5089

Rectangle

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



21.3312, 19.6543, 70.3795



30.5626, 19.6543, 39.4851



16.2596, 19.6543, 2.8873



10.3633, 19.6543, 9.9033

Sweetspot

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



21.3321, 19.6549, 70.3800



67.5224, 71.2399, 104.7996



33.0028, 54.3326, 39.3220



13.8369, 14.5864, 22.3361



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.



21.3321, 19.6549, 70.3800



24.8586, 20.2235, 97.2011



16.9213, 9.2599, 68.6061



12.7640, 13.4677, 16.5789



9.7315, 7.3324, 40.6408



0.7133, 0.6408, 2.6605

Inverse Universe

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



34.3334, 19.3298, 20.0109



44.8264, 23.2680, 19.0479



51.0487, 64.2298, 13.3230



13.2707, 13.1374, 14.6869



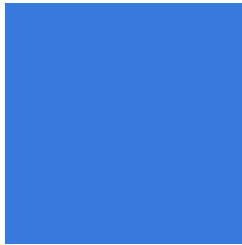
18.4073, 9.3640, 6.5251



1.2343, 0.6234, 0.6430

Previews

White Background



This preview shows how the XYZ color 21.3312, 19.6543, 70.3795 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 21.3312, 19.6543, 70.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

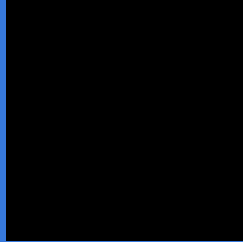
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

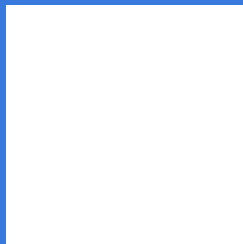
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3312, 19.6543, 70.3795

Background



This preview shows how black text looks on a background with the XYZ color 21.3312, 19.6543, 70.3795.



This preview shows how white text looks on a background with the XYZ color 21.3312, 19.6543,

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

21.3312, 19.6543, 70.3795

Protanopia

22.1534, 19.7515, 68.9745

Deuteranopia

20.2250, 19.6489, 69.7445



Tritanopia

13.7748, 19.3723, 29.8013

Trichromacy



Original Color

21.3312, 19.6543, 70.3795

Protanomaly

21.8865, 19.7764, 69.6815

Deuteranomaly

20.4342, 19.5717, 69.7185

Tritanomaly

15.7175, 19.0925, 41.8866

Monochromacy



Original Color

21.3312, 19.6543, 70.3795

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.3265, 17.0331, 32.1330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3312, 19.6543, 70.3795 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(55, 121, 220)` looks like.

```
.text, #text, p{  
    color:rgb(55, 121, 220)  
}
```

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(55, 121, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 121, 220) }
```

Border

The CSS property to change the border of an element to XYZ 21.3312, 19.6543, 70.3795 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(55, 121, 220) }
```


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

```
.border{ border-color:rgb(55, 121, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 121, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 121, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 121, 220);  
box-shadow:4px 4px 4px 4px rgb(55, 121,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3312, 19.6543, 70.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 121, 220) }
```

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

```
.background{ background-color: rgb(55, 121,  
220) }
```

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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