

Converting Colors

XYZ(21.3299, 19.6214, 69.7180)

Have a look what the booklet for
XYZ(21.3299, 19.6214, 69.7180)
contains.

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Color

**XYZ(21.3685, 19.6888,
69.6919)**

Conversions

Conversions Part 1

Format	Color
Hex	3A79DB
RGB	58, 121, 219
RGB Percent	23%, 47%, 86%
CMY	0.7725, 0.5255, 0.1412
CMYK	0.74, 0.45, 0.00, 0.14
HSL	217°, 69%, 54%
HSV	217°, 74%, 86%
XYZ	21.3685, 19.6888, 69.6919
YIQ	113.3350, -69.0060, 17.1220

Conversions

Conversions Part 2

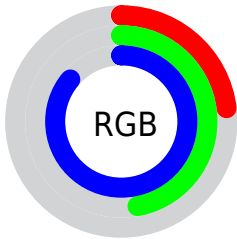
Format	Color
R _Y B	58, 103, 219
Decimal	3832283
CIE Lab	51.48, 13.15, -56.01
CIE LCh	51, 57.533, 283.215
Yxy	19.6888, 0.1929, 0.1778
Android (android.graphics.Color)	4282022363 (0xFF3A79DB)
YUV	113.3350, 52.0928, -48.5288
Hunter-Lab	44.3721, 8.3101, -62.0619

Details

The XYZ color **21.3685, 19.6888, 69.6919** 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 **41.8679, 39.1464, 9.3538**, and the grayscale version is **15.6615, 16.4771, 17.9436**.

A 20% lighter version of the original color is **41.4510, 41.4671, 100.4270**, and **8.9934, 7.4094, 35.6065** is the 20% darker color. If you saturate the color by 10%, you get **18.8455, 16.1472, 69.1417**, and if you desaturate by 10%, it is **24.6582, 23.9584, 70.3431**.

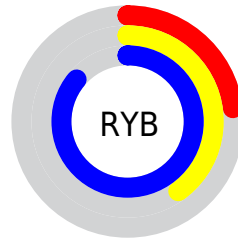
Distribution



Red (23%)

Green (47%)

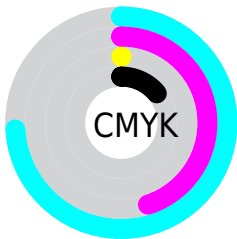
Blue (86%)



Red (23%)

Yellow (40%)

Blue (86%)

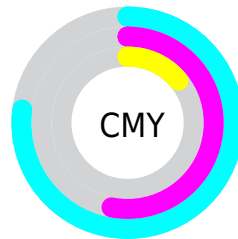


Cyan (74%)

Magenta (45%)

Yellow (0%)

Black (14%)



Cyan (77%)

Magenta (53%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3685, 19.6888, 69.6919 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 21.3685, 19.6888, 69.6919 by changing the saturation by 10% instead.

■ 21.3685, 19.6888,
69.6919

■ 21.3685, 19.6888,
69.6919

251.9253,
250.2254, 478.2273

■ 13.5076, 12.1690,
50.8001

■ 45.1867, 42.8948,
120.4463

■ 7.8584, 6.8589,
35.6740

■ 61.8747, 59.3499,
153.1460

■ 4.0555, 3.3740,
23.8948

■ 82.2358, 79.5521,
191.2854

■ 1.7336, 1.3300,
15.0441

■ 106.6354,
103.8860, 235.2831

■ 0.4772, 0.1642,
8.7034

■ 135.4388,
132.7358, 285.5576

■ 0.0000, 0.0000,
4.4541

169.0113,

■ 0.0000, 0.0000,

166.4861, 342.5274

1.8776

207.7183,
205.5212, 406.6112

■ 0.0000, 0.0000,
0.4784

■ 0.0000, 0.0000,
0.0000

■ 21.3685, 19.6888,
69.6919

■ 21.3685, 19.6888,
69.6919

■ 18.8455, 16.1472,
69.1417

■ 24.6582, 23.9584,
70.3431

■ 17.0035, 13.2753,
68.6845

■ 28.7817, 29.0027,
71.0994

■ 16.0892, 11.7203,
68.4325

■ 33.8008, 34.8661,
71.9666

■ 39.7706, 41.5883,
72.9495

■ 46.7411, 49.2062,
74.0525

■ 54.7589, 57.7542,
75.2798

■ 63.8674, 67.2649,
76.6355

■ 74.1074, 77.7691,
78.1233

■ 85.4765, 89.2750,
79.7450

Harmonies

Analogous

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



15.6865, 19.6888, 68.5724



21.3685, 19.6888, 69.6919



27.3932, 19.6888, 53.9701

Triad

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



21.3685, 19.6888, 69.6919



28.0289, 19.6888, 6.2030



9.9686, 19.6888, 13.5029

Complementary

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



21.3685, 19.6888, 69.6919



41.8679, 39.1464, 9.3538

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.



12.0935, 19.6888, 5.6100



21.3685, 19.6888, 69.6919



22.1070, 19.6888, 3.1304

Square

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



21.3685, 19.6888, 69.6919



31.7389, 19.6888, 14.9588



16.2883, 19.6888, 2.9903



9.8514, 19.6888, 29.5602

Rectangle

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



21.3685, 19.6888, 69.6919



30.4796, 19.6888, 39.1999



16.2883, 19.6888, 2.9903



10.4482, 19.6888, 10.0627

Sweetspot

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



21.3694, 19.6894, 69.6924



67.3935, 70.9822, 104.7567



32.9605, 53.9166, 39.5064



13.8067, 14.5259, 22.3260



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.



21.3694, 19.6894, 69.6924



25.1288, 20.5564, 97.2511



17.1324, 9.6020, 67.9687



12.7545, 13.4487, 16.5758



9.6394, 7.1482, 40.6101



0.7068, 0.6278, 2.6584

Inverse Universe

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



34.1785, 19.4679, 20.0458



45.0135, 23.5367, 19.4350



50.6975, 63.6517, 13.6185



13.2659, 13.1355, 14.6617



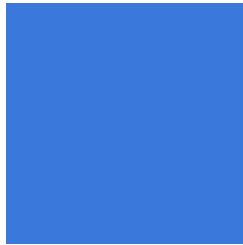
18.3609, 9.3454, 6.2803



1.2311, 0.6221, 0.6257

Previews

White Background



This preview shows how the XYZ color 21.3685, 19.6888, 69.6919 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 21.3685, 19.6888, 69.6919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

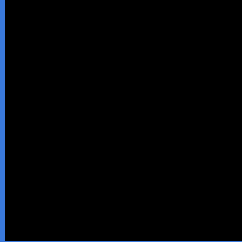
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

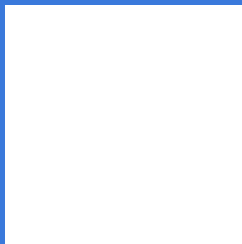
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3685, 19.6888, 69.6919

Background



This preview shows how black text looks on a background with the XYZ color 21.3685, 19.6888, 69.6919.



This preview shows how white text looks on a background with the XYZ color 21.3685, 19.6888,

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

21.3685, 19.6888, 69.6919

Protanopia

22.1017, 19.7399, 68.2909

Deuteranopia

20.2885, 19.6969, 69.0622



Tritanopia

13.8523, 19.4033, 30.2092

Trichromacy



Original Color

21.3685, 19.6888, 69.6919

Protanomaly

21.8256, 19.7601, 68.9934

Deuteranomaly

20.5372, 19.6399, 69.0381

Tritanomaly

15.8347, 19.1418, 42.3953

Monochromacy



Original Color

21.3685, 19.6888, 69.6919

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.4271, 17.0849, 32.1377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3685, 19.6888, 69.6919 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(58, 121, 219)` looks like.

```
.text, #text, p{  
    color:rgb(58, 121, 219)  
}
```

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(58, 121, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 121, 219) }
```

Border

The CSS property to change the border of an element to XYZ 21.3685, 19.6888, 69.6919 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(58, 121, 219) }
```


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

```
.border{ border-color:rgb(58, 121, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 121, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 121, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 121, 219);  
box-shadow:4px 4px 4px 4px rgb(58, 121,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3685, 19.6888, 69.6919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 121, 219) }
```

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

```
.background{ background-color: rgb(58, 121,  
219) }
```

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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