

Converting Colors

XYZ(21.0498, 19.0785, 62.9596)

Have a look what the booklet for
XYZ(21.0498, 19.0785, 62.9596)
contains.

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Color

**XYZ(21.0476, 19.1381,
62.9063)**

Conversions

Conversions Part 1

Format	Color
Hex	4D76D1
RGB	77, 118, 209
RGB Percent	30%, 46%, 82%
CMY	0.6980, 0.5372, 0.1804
CMYK	0.63, 0.44, 0.00, 0.18
HSL	221°, 59%, 56%
HSV	221°, 63%, 82%
XYZ	21.0476, 19.1381, 62.9063
YIQ	116.1150, -53.6470, 19.6090

Conversions

Conversions Part 2

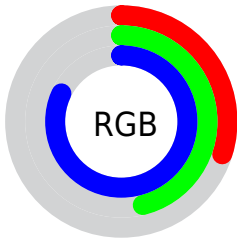
Format	Color
R_{YB}	77, 108, 209
Decimal	5076689
CIE _{Lab}	50.85, 14.36, -51.32
CIE _{LCh}	51, 53.290, 285.633
Yxy	19.1381, 0.2042, 0.1856
Android (android.graphics.Color)	4283266769 (0xFF4D76D1)
YUV	116.1150, 45.7923, -34.3039
Hunter-Lab	43.7471, 9.3224, -54.6333

Details

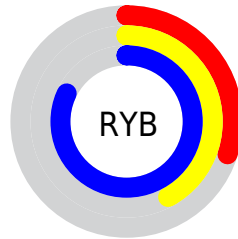
The XYZ color **21.0476, 19.1381, 62.9063** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **41.6382, 42.0989, 12.9538**, and the grayscale version is **16.5124, 17.3723, 18.9185**.

A 20% lighter version of the original color is **42.7413, 41.2878, 100.3244**, and **8.0229, 6.7134, 31.4448** is the 20% darker color. If you saturate the color by 10%, you get **18.0549, 15.2661, 62.3171**, and if you desaturate by 10%, it is **24.8427, 23.8090, 63.6083**.

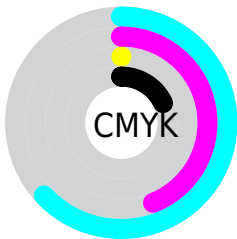
Distribution



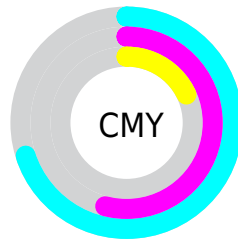
- Red (30%)
- Green (46%)
- Blue (82%)



- Red (30%)
- Yellow (42%)
- Blue (82%)



- Cyan (63%)
- Magenta (44%)
- Yellow (0%)
- Black (18%)



- Cyan (70%)
- Magenta (54%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0476, 19.1381, 62.9063 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 21.0476, 19.1381, 62.9063 by changing the saturation by 10% instead.

■ 21.0476, 19.1381,
62.9063

■ 21.0476, 19.1381,
62.9063

250.2583,
247.2101, 453.3279

■ 13.2715, 11.7701,
45.3249

■ 44.6574, 41.9673,
110.6186

■ 7.6940, 6.5873,
31.3686

■ 61.2218, 58.1973,
141.5866

■ 3.9499, 3.2054,
20.6189

■ 81.4463, 78.1502,
177.8538

■ 1.6739, 1.2399,
12.6572

■ 105.6963,
102.2102, 219.8388

■ 0.4398, 0.0939,
7.0650

134.3372,
130.7618, 267.9602

■ 0.0000, 0.0000,
3.4237

167.7342,

■ 0.0000, 0.0000,

164.1894, 322.6365

1.3148

206.2528,
202.8774, 384.2862

■ 0.0000, 0.0000,
0.0739

■ 0.0000, 0.0000,
0.0000

■ 21.0476, 19.1381,
62.9063

■ 21.0476, 19.1381,
62.9063

■ 18.0549, 15.2661,
62.3171

■ 24.8427, 23.8090,
63.6083

■ 15.7965, 12.1397,
61.8327

■ 29.4956, 29.3230,
64.4273

■ 14.1954, 9.7009,
61.4463

■ 35.0594, 35.7231,
65.3694

■ 13.3939, 8.3739,
61.2324

■ 41.5818, 43.0483,
66.4396

■ 49.1073, 51.3355,
67.6425

■ 57.6773, 60.6192,
68.9828

■ 67.3309, 70.9324,
70.4646

■ 78.1051, 82.3061,
72.0921

■ 86.2184, 92.8028,
73.6906

Harmonies

Analogous

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



15.7990, 19.1381, 63.2520



21.0476, 19.1381, 62.9063



26.4010, 19.1381, 48.2883

Triad

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



21.0476, 19.1381, 62.9063



26.1994, 19.1381, 6.2525



10.0603, 19.1381, 14.4573

Complementary

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



21.0476, 19.1381, 62.9063



41.6382, 42.0989, 12.9538

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.



11.8872, 19.1381, 6.4570



21.0476, 19.1381, 62.9063



20.8112, 19.1381, 3.5068

Square

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



21.0476, 19.1381, 62.9063



29.7431, 19.1381, 13.9795



15.6039, 19.1381, 3.5574



10.0993, 19.1381, 29.6377

Rectangle

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



21.0476, 19.1381, 62.9063



29.0194, 19.1381, 35.1831



15.6039, 19.1381, 3.5574



10.4586, 19.1381, 11.0430

Sweetspot

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



21.0484, 19.1387, 62.9068



69.6711, 72.4497, 104.9199



32.8555, 49.9768, 44.5723



14.2066, 14.7262, 22.3436



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.



21.0484, 19.1387, 62.9068



26.8717, 21.9882, 97.4356



19.5529, 12.6908, 61.7410



11.4589, 12.0081, 14.9575



8.3360, 5.3185, 37.7797



0.5365, 0.4382, 2.1359

Inverse Universe

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



32.2191, 20.1721, 19.3354



46.3946, 26.0089, 20.7898



44.1002, 56.4268, 15.5896



11.9578, 11.8679, 13.0536



16.8383, 8.6082, 4.0549



0.9770, 0.4955, 0.4139

Previews

White Background



This preview shows how the XYZ color 21.0476, 19.1381, 62.9063 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 21.0476, 19.1381, 62.9063 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 21.0476, 19.1381, 62.9063

Background



This preview shows how black text looks on a background with the XYZ color 21.0476, 19.1381, 62.9063.

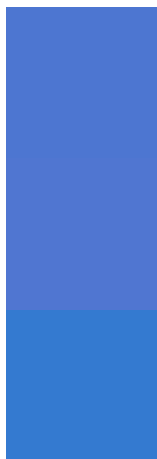


This preview shows how white text looks on a background with the XYZ color 21.0476, 19.1381,

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

21.0476, 19.1381, 62.9063

Protanopia

21.2953, 19.2658, 62.9179

Deuteranopia

19.7609, 19.2032, 62.3396



Tritanopia

14.3003, 19.2505, 28.9486

Trichromacy



Original Color

21.0476, 19.1381, 62.9063

Protanomaly

21.2115, 19.2226, 62.9140

Deuteranomaly

20.1470, 19.2209, 62.3227

Tritanomaly

16.2698, 19.0406, 39.3769

Monochromacy



Original Color

21.0476, 19.1381, 62.9063

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.3458, 17.7494, 31.3659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0476, 19.1381, 62.9063 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(77, 118, 209)` looks like.

```
.text, #text, p{  
    color:rgb(77, 118, 209)  
}
```

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(77, 118, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 118, 209) }
```

Border

The CSS property to change the border of an element to XYZ 21.0476, 19.1381, 62.9063 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(77, 118, 209) }
```


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

```
.border{ border-color:rgb(77, 118, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 118, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 118, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 118, 209);  
box-shadow:4px 4px 4px 4px rgb(77, 118,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0476, 19.1381, 62.9063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 118, 209) }
```

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

```
.background{ background-color: rgb(77, 118,  
209) }
```

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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