

Converting Colors

XYZ(21.4969, 17.6132, 83.1900)

Have a look what the booklet for
XYZ(21.4969, 17.6132, 83.1900)
contains.

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Color

**XYZ(21.4605, 17.5579,
83.1468)**

Conversions

Conversions Part 1

Format	Color
Hex	1B6EEE
RGB	27, 110, 238
RGB Percent	11%, 43%, 93%
CMY	0.8940, 0.5686, 0.0667
CMYK	0.89, 0.54, 0.00, 0.07
HSL	216°, 86%, 52%
HSV	216°, 89%, 93%
XYZ	21.4605, 17.5579, 83.1468
YIQ	99.7750, -90.5560, 22.2120

Conversions

Conversions Part 2

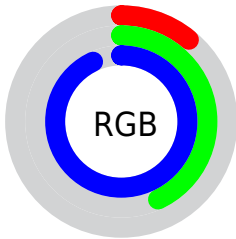
Format	Color
R _Y B	27, 87, 238
Decimal	1797870
CIE Lab	48.96, 24.48, -70.81
CIE LCh	49, 74.928, 289.073
Yxy	17.5579, 0.1757, 0.1437
Android (android.graphics.Color)	4279987950 (0xFF1B6EEE)
YUV	99.7750, 68.1449, -63.8237
Hunter-Lab	41.9021, 18.0914, -88.3182

Details

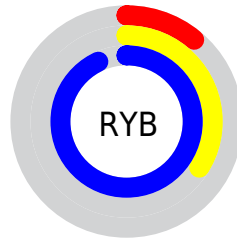
The XYZ color **21.4605, 17.5579, 83.1468** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **47.1846, 41.7092, 6.6025**, and the grayscale version is **11.9072, 12.5273, 13.6422**.

A 20% lighter version of the original color is **37.7343, 36.2871, 99.6230**, and **10.1739, 7.0030, 44.5316** is the 20% darker color. If you saturate the color by 10%, you get **19.6160, 14.4796, 82.6503**, and if you desaturate by 10%, it is **24.0523, 21.3983, 83.7519**.

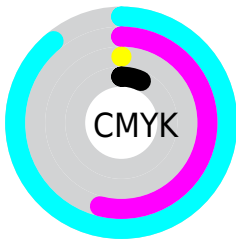
Distribution



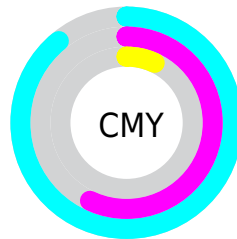
- Red (11%)
- Green (43%)
- Blue (93%)



- Red (11%)
- Yellow (34%)
- Blue (93%)



- Cyan (89%)
- Magenta (54%)
- Yellow (0%)
- Black (7%)



- Cyan (89%)
- Magenta (57%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4605, 17.5579, 83.1468 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 21.4605, 17.5579, 83.1468 by changing the saturation by 10% instead.

■ 21.4605, 17.5579,
83.1468

■ 21.4605, 17.5579,
83.1468

252.4014,
238.3672, 525.4594

■ 13.5754, 10.6331,
61.7699

■ 45.3382, 39.2825,
139.6321

■ 7.9057, 5.8207,
44.4123

■ 62.0615, 54.8511,
175.5777

■ 4.0859, 2.7363,
30.6552

■ 82.4616, 74.0697,
217.2165

■ 1.7509, 0.9957,
20.0801

■ 106.9039, 97.3228,
264.9672

■ 0.4878, 0.0000,
12.2687

■ 135.7536,
124.9947, 319.2484

■ 0.0000, 0.0000,
6.8022

169.3762,

■ 0.0000, 0.0000,

157.4698, 380.4784

3.2621

208.1371,
195.1325, 449.0759

■ 0.0000, 0.0000,
1.2300

■ 0.0000, 0.0000,
0.0034

■ 21.4605, 17.5579,
83.1468

■ 21.4605, 17.5579,
83.1468

■ 19.6160, 14.4796,
82.6503

■ 24.0523, 21.3983,
83.7519

■ 19.4000, 14.1076,
82.5899

■ 27.5207, 26.0845,
84.4737

■ 31.9598, 31.6810,
85.3199

■ 37.4496, 38.2441,
86.2974

■ 44.0610, 45.8246,
87.4121

■ 51.8581, 54.4693,
88.6698

■ 60.9001, 64.2217,
90.0756

■ 71.2419, 75.1227,
91.6346

■ 82.9351, 87.2109,
93.3516

Harmonies

Analogous

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



14.2752, 17.5579, 86.9628



21.4605, 17.5579, 83.1468



28.9960, 17.5579, 56.8814

Triad

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



21.4605, 17.5579, 83.1468



27.0941, 17.5579, 2.3118



6.6869, 17.5579, 12.7275

Complementary

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



21.4605, 17.5579, 83.1468



47.1846, 41.7092, 6.6025

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.



8.4742, 17.5579, 3.3882



21.4605, 17.5579, 83.1468



19.3590, 17.5579, 0.7576

Square

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



21.4605, 17.5579, 83.1468



32.8237, 17.5579, 9.1203



12.6818, 17.5579, 0.9502



6.9583, 17.5579, 34.5975

Rectangle

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



21.4605, 17.5579, 83.1468



32.5915, 17.5579, 36.3590



12.6818, 17.5579, 0.9502



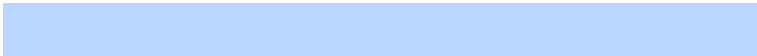
7.0413, 17.5579, 8.4264

Sweetspot

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



21.4614, 17.5583, 83.1473



62.1876, 65.3808, 103.9499



36.8279, 63.7030, 40.7576



12.5910, 13.2072, 22.1356



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.



21.4614, 17.5583, 83.1473



22.6347, 16.3893, 96.5782



17.0502, 7.5898, 81.4557



15.4072, 16.2485, 20.0458



10.9406, 8.1053, 46.1157



1.0044, 0.8627, 3.8678

Inverse Universe

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



38.4672, 20.0882, 16.6018



43.5541, 22.1857, 14.1160



59.3594, 75.9656, 12.5729



16.0302, 15.8618, 17.7154



20.8479, 10.6116, 7.1156



1.7819, 0.9018, 0.8424

Previews

White Background



This preview shows how the XYZ color 21.4605, 17.5579, 83.1468 looks on a white background.

Color Contrast Check

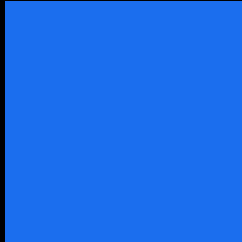
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.4605, 17.5579, 83.1468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

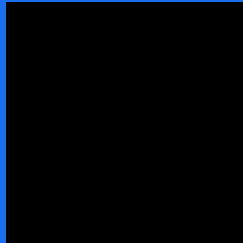
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

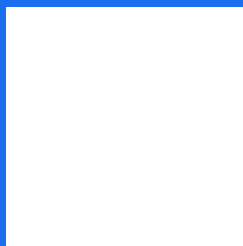
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4605, 17.5579, 83.1468

Background



This preview shows how black text looks on a background with the XYZ color 21.4605, 17.5579, 83.1468.



This preview shows how white text looks on a background with the XYZ color 21.4605, 17.5579,

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

21.4605, 17.5579, 83.1468

Protanopia

20.9705, 17.4833, 82.3901

Deuteranopia

17.3775, 17.3165, 59.5533



Tritanopia

12.1631, 17.2159, 25.9745

Trichromacy



Original Color

21.4605, 17.5579, 83.1468

Protanomaly

21.0957, 17.5478, 82.3960

Deuteranomaly

18.6506, 17.2839, 67.3189

Tritanomaly

14.5054, 16.7564, 42.0050

Monochromacy



Original Color

21.4605, 17.5579, 83.1468

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.2030, 13.5191, 30.7677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4605, 17.5579, 83.1468 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(27, 110, 238)` looks like.

```
.text, #text, p{  
    color:rgb(27, 110, 238)  
}
```

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(27, 110, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 110, 238) }
```

Border

The CSS property to change the border of an element to XYZ 21.4605, 17.5579, 83.1468 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(27, 110, 238) }
```


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

```
.border{ border-color:rgb(27, 110, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 110, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 110, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 110, 238);  
box-shadow:4px 4px 4px 4px rgb(27, 110,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4605, 17.5579, 83.1468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 110, 238) }
```

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

```
.background{ background-color: rgb(27, 110,  
238) }
```

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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