

Converting Colors

XYZ(21.4270, 19.8337, 63.5950)

Have a look what the booklet for
XYZ(21.4270, 19.8337, 63.5950)
contains.

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Color

**XYZ(21.4507, 19.8644,
63.6764)**

Conversions

Conversions Part 1

Format	Color
Hex	4C79D2
RGB	76, 121, 210
RGB Percent	30%, 47%, 82%
CMY	0.7019, 0.5255, 0.1765
CMYK	0.64, 0.42, 0.00, 0.18
HSL	220°, 60%, 56%
HSV	220°, 64%, 82%
XYZ	21.4507, 19.8644, 63.6764
YIQ	117.6910, -55.3890, 18.1390

Conversions

Conversions Part 2

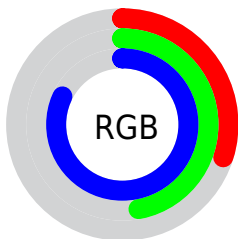
Format	Color
RYB	76, 110, 210
Decimal	5011922
CIELab	51.68, 12.68, -50.56
CIElCh	52, 52.121, 284.079
Yxy	19.8644, 0.2043, 0.1892
Android (android.graphics.Color)	4283202002 (0xFF4C79D2)
YUV	117.6910, 45.5083, -36.5630
Hunter-Lab	44.5695, 7.9130, -53.5089

Details

The XYZ color **21.4507, 19.8644, 63.6764** 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 **41.3395, 41.1362, 12.6000**, and the grayscale version is **16.9992, 17.8845, 19.4762**.

A 20% lighter version of the original color is **43.1469, 42.3414, 100.5064**, and **8.2989, 7.1316, 31.9495** is the 20% darker color. If you saturate the color by 10%, you get **18.4721, 15.9920, 63.0864**, and if you desaturate by 10%, it is **25.2204, 24.5089, 64.3746**.

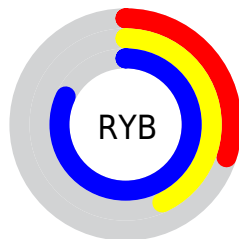
Distribution



Red (30%)

Green (47%)

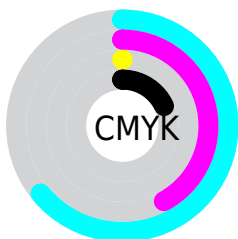
Blue (82%)



Red (30%)

Yellow (43%)

Blue (82%)

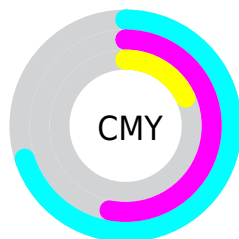


Cyan (64%)

Magenta (42%)

Yellow (0%)

Black (18%)



Cyan (70%)

Magenta (53%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4507, 19.8644, 63.6764 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 21.4507, 19.8644, 63.6764 by changing the saturation by 10% instead.

■ 21.4507, 19.8644,
63.6764

■ 21.4507, 19.8644,
63.6764

252.3507,
251.1801, 456.1955

■ 13.5682, 12.2965,
45.9441

■ 45.3221, 43.1897,
111.7397

■ 7.9006, 6.9460,
31.8534

■ 62.0416, 59.7160,
142.9079

■ 4.0827, 3.4283,
20.9856

■ 82.4376, 79.9971,
179.3917

■ 1.7490, 1.3592,
12.9224

■ 106.8753,
104.4175, 221.6098

■ 0.4867, 0.1864,
7.2450

135.7201,
133.3616, 269.9807

■ 0.0000, 0.0000,
3.5350

169.3374,

■ 0.0000, 0.0000,

167.2138, 324.9229

1.3739

208.0925,
206.3585, 386.8550

■ 0.0000, 0.0000,
0.1212

■ 0.0000, 0.0000,
0.0000

■ 21.4507, 19.8644,
63.6764

■ 21.4507, 19.8644,
63.6764

■ 18.4721, 15.9920,
63.0864

■ 25.2204, 24.5089,
64.3746

■ 16.2164, 12.8405,
62.5970

■ 29.8364, 29.9679,
65.1850

■ 14.6063, 10.3533,
62.2018

■ 35.3515, 36.2826,
66.1132

■ 13.8556, 9.0985,
61.9991

■ 41.8132, 43.4908,
67.1640

■ 49.2655, 51.6275,
68.3417

■ 57.7496, 60.7259,
69.6507

■ 67.3043, 70.8176,
71.0950

■ 77.9662, 81.9325,
72.6785

■ 85.9921, 92.1516,
74.2280

Harmonies

Analogous

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



16.2385, 19.8644, 63.1824



21.4507, 19.8644, 63.6764



26.8312, 19.8644, 49.8430

Triad

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



21.4507, 19.8644, 63.6764



27.1230, 19.8644, 7.0835



10.7254, 19.8644, 14.6133

Complementary

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



21.4507, 19.8644, 63.6764



41.3395, 41.1362, 12.6000

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.



12.6796, 19.8644, 6.7751



21.4507, 19.8644, 63.6764



21.7946, 19.8644, 4.0159

Square

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



21.4507, 19.8644, 63.6764



30.4951, 19.8644, 15.3172



16.5243, 19.8644, 3.9379



10.6678, 19.8644, 29.4727

Rectangle

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



21.4507, 19.8644, 63.6764



29.5226, 19.8644, 36.9319



16.5243, 19.8644, 3.9379



11.1633, 19.8644, 11.2729

Sweetspot

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



21.4515, 19.8650, 63.6769



69.9960, 73.0995, 105.0282



32.6479, 50.2783, 42.6826



14.2843, 14.8816, 22.3695



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.



21.4515, 19.8650, 63.6769



27.1139, 22.7011, 97.5604



19.0529, 12.3156, 62.3461



11.4835, 12.0572, 14.9657



8.5351, 5.7168, 37.8461



0.5498, 0.4648, 2.1403

Inverse Universe

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



32.6147, 20.2521, 20.2797



46.4611, 25.8221, 21.7982



45.5621, 57.5499, 15.5456



11.9702, 11.8728, 13.1187



16.9389, 8.6484, 4.5842



0.9837, 0.4982, 0.4492

Previews

White Background



This preview shows how the XYZ color 21.4507, 19.8644, 63.6764 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 21.4507, 19.8644, 63.6764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

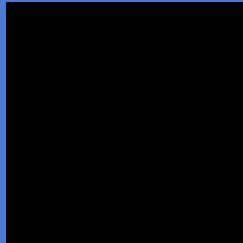
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4507, 19.8644, 63.6764

Background



This preview shows how black text looks on a background with the XYZ color 21.4507, 19.8644, 63.6764.



This preview shows how white text looks on a background with the XYZ color 21.4507, 19.8644,

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

21.4507, 19.8644, 63.6764

Protanopia

21.8813, 19.9212, 63.0135

Deuteranopia

20.4612, 19.9183, 63.0878



Tritanopia

14.7274, 19.8544, 30.2502

Trichromacy



Original Color

21.4507, 19.8644, 63.6764

Protanomaly

21.6184, 19.7857, 63.0012

Deuteranomaly

20.7716, 19.8932, 63.0666

Tritanomaly

16.6123, 19.5867, 40.4412

Monochromacy



Original Color

21.4507, 19.8644, 63.6764

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.7763, 18.3116, 31.8757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4507, 19.8644, 63.6764 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(76, 121, 210)` looks like.

```
.text, #text, p{  
    color:rgb(76, 121, 210)  
}
```

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(76, 121, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 121, 210) }
```

Border

The CSS property to change the border of an element to XYZ 21.4507, 19.8644, 63.6764 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(76, 121, 210) }
```


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

```
.border{ border-color:rgb(76, 121, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 121, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 121, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 121, 210);  
box-shadow:4px 4px 4px 4px rgb(76, 121,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4507, 19.8644, 63.6764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 121, 210) }
```

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

```
.background{ background-color: rgb(76, 121,  
210) }
```

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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