

Converting Colors

XYZ(21.5897, 20.4575, 71.9807)

Have a look what the booklet for
XYZ(21.5897, 20.4575, 71.9807)
contains.

XYZ(21.6006, 20.4990, 71.9255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.6006, 20.4990,
71.9255)**

Conversions

Conversions Part 1

Format	Color
Hex	2D7DDE
RGB	45, 125, 222
RGB Percent	18%, 49%, 87%
CMY	0.8235, 0.5098, 0.1294
CMYK	0.80, 0.44, 0.00, 0.13
HSL	213°, 73%, 52%
HSV	213°, 80%, 87%
XYZ	21.6006, 20.4990, 71.9255
YIQ	112.1380, -78.8170, 13.2070

Conversions

Conversions Part 2

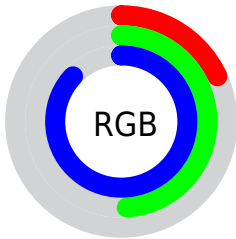
Format	Color
R _Y B	45, 100, 222
Decimal	2981342
CIE Lab	52.40, 10.31, -56.26
CIE LCh	52, 57.194, 280.387
Yxy	20.4990, 0.1894, 0.1798
Android (android.graphics.Color)	4281171422 (0xFF2D7DDE)
YUV	112.1380, 54.1620, -58.8800
Hunter-Lab	45.2758, 5.9277, -62.4955

Details

The XYZ color **21.6006, 20.4990, 71.9255** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **40.2737, 35.0700, 7.1307**, and the grayscale version is **15.3058, 16.1029, 17.5360**.

A 20% lighter version of the original color is **41.2434, 42.5158, 100.6404**, and **9.5368, 8.0609, 37.1297** is the 20% darker color. If you saturate the color by 10%, you get **19.4206, 17.2271, 71.4093**, and if you desaturate by 10%, it is **24.4840, 24.4140, 72.5297**.

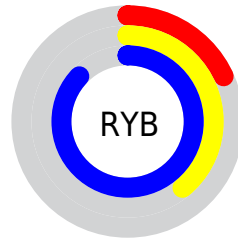
Distribution



Red (18%)

Green (49%)

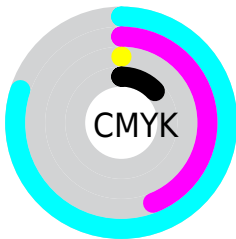
Blue (87%)



Red (18%)

Yellow (39%)

Blue (87%)

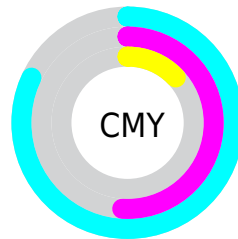


Cyan (80%)

Magenta (44%)

Yellow (0%)

Black (13%)



Cyan (82%)

Magenta (51%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6006, 20.4990, 71.9255 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 21.6006, 20.4990, 71.9255 by changing the saturation by 10% instead.

■ 21.6006, 20.4990,
71.9255

■ 21.6006, 20.4990,
71.9255

253.1251,
254.6038, 486.2528

■ 13.6787, 12.7583,
52.6114

■ 45.5688, 44.2522,
123.6573

■ 7.9777, 7.2623,
37.1070

■ 62.3457, 61.0335,
156.9121

■ 4.1324, 3.6267,
24.9939

■ 82.8051, 81.5971,
195.6509

■ 1.7773, 1.4670,
15.8535

■ 107.3122,
106.3275, 240.2921

■ 0.5039, 0.2653,
9.2673

■ 136.2324,
135.6089, 291.2544

■ 0.0000, 0.0000,
4.8168

169.9310,

■ 0.0000, 0.0000,

169.8259, 348.9562

2.0833

208.7735,
209.3627, 413.8162

■ 0.0000, 0.0000,
0.6058

■ 0.0000, 0.0000,
0.0000

■ 21.6006, 20.4990,
71.9255

■ 21.6006, 20.4990,
71.9255

■ 19.4206, 17.2271,
71.4093

■ 24.4840, 24.4140,
72.5297

■ 17.8140, 14.5206,
70.9716

■ 28.1453, 29.0195,
73.2257

■ 17.7737, 14.4516,
70.9604

■ 32.6510, 34.3592,
74.0188

■ 38.0594, 40.4717,
74.9136

■ 44.4228, 47.3924,
75.9141

■ 51.7896, 55.1544,
77.0240

■ 60.2044, 63.7883,
78.2470

■ 69.7094, 73.3233,
79.5865

■ 80.3439, 83.7871,
81.0457

Harmonies

Analogous

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



15.9199, 20.4990, 69.0162



21.6006, 20.4990, 71.9255



27.7935, 20.4990, 57.3193

Triad

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



21.6006, 20.4990, 71.9255



29.4600, 20.4990, 7.1973



10.6351, 20.4990, 13.0975

Complementary

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



21.6006, 20.4990, 71.9255



40.2737, 35.0700, 7.1307

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.



13.0211, 20.4990, 5.5965



21.6006, 20.4990, 71.9255



23.5431, 20.4990, 3.5761

Square

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



21.6006, 20.4990, 71.9255



32.9012, 20.4990, 16.9616



17.5098, 20.4990, 3.1920



10.3229, 20.4990, 28.7024

Rectangle

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



21.6006, 20.4990, 71.9255



31.0984, 20.4990, 42.5203



17.5098, 20.4990, 3.1920



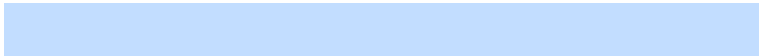
11.1945, 20.4990, 9.8112

Sweetspot

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



21.6015, 20.4996, 71.9260



66.2244, 70.6181, 104.7480



31.8944, 54.6772, 33.4553



13.4134, 14.3099, 22.3051



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.



21.6015, 20.4996, 71.9260



24.9947, 20.9199, 97.3283



15.4849, 7.8535, 69.8075



13.4596, 14.2584, 17.4304



10.6650, 8.7995, 42.1847



0.8278, 0.7870, 2.9535

Inverse Universe

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



34.7651, 18.8884, 21.2158



44.7916, 22.8578, 20.0866



54.9442, 67.0469, 12.5297



13.9635, 13.8030, 15.5778



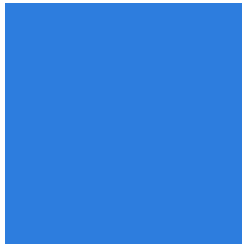
19.3234, 9.7964, 8.3687



1.3841, 0.6969, 0.8154

Previews

White Background



This preview shows how the XYZ color 21.6006, 20.4990, 71.9255 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 21.6006, 20.4990, 71.9255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

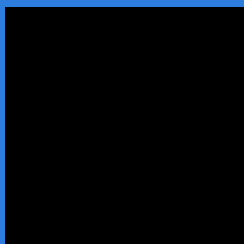
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

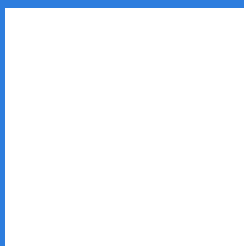
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6006, 20.4990, 71.9255

Background



This preview shows how black text looks on a background with the XYZ color 21.6006, 20.4990, 71.9255.



This preview shows how white text looks on a background with the XYZ color 21.6006, 20.4990,

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

21.6006, 20.4990, 71.9255

Protanopia

22.8005, 20.4422, 69.0737

Deuteranopia

21.1811, 20.4717, 71.9423



Tritanopia

14.4338, 20.3151, 31.1774

Trichromacy



Original Color

21.6006, 20.4990, 71.9255

Protanomaly

22.0605, 20.2268, 69.7593

Deuteranomaly

21.3388, 20.5530, 71.9497

Tritanomaly

16.3391, 19.9804, 43.5529

Monochromacy



Original Color

21.6006, 20.4990, 71.9255

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.0533, 17.0643, 32.1534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6006, 20.4990, 71.9255 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(45, 125, 222)` looks like.

```
.text, #text, p{  
  color:rgb(45, 125, 222)  
}
```

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(45, 125, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 125, 222) }
```

Border

The CSS property to change the border of an element to XYZ 21.6006, 20.4990, 71.9255 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(45, 125, 222) }
```


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

```
.border{ border-color:rgb(45, 125, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 125, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 125, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 125, 222);  
box-shadow:4px 4px 4px 4px rgb(45, 125,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6006, 20.4990, 71.9255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 125, 222) }
```

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

```
.background{ background-color: rgb(45, 125,  
222) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor