

Converting Colors

XYZ(20.7845, 19.6440, 66.3145)

Have a look what the booklet for
XYZ(20.7845, 19.6440, 66.3145)
contains.

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Color

**XYZ(20.7845, 19.6440,
66.3145)**

Conversions

Conversions Part 1

Format	Color
Hex	397AD6
RGB	57, 122, 214
RGB Percent	22%, 48%, 84%
CMY	0.7764, 0.5216, 0.1608
CMYK	0.73, 0.43, 0.00, 0.16
HSL	215°, 66%, 53%
HSV	215°, 73%, 84%
XYZ	20.7845, 19.6440, 66.3145
YIQ	113.0530, -68.2720, 14.8320

Conversions

Conversions Part 2

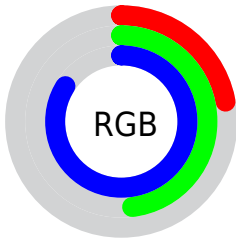
Format	Color
RYB	57, 103, 214
Decimal	3766998
CIELab	51.43, 10.58, -53.27
CIELCh	51, 54.307, 281.231
Yxy	19.6440, 0.1947, 0.1840
Android (android.graphics.Color)	4281957078 (0xFF397AD6)
YUV	113.0530, 49.7669, -49.1585
Hunter-Lab	44.3216, 6.1445, -57.6854

Details

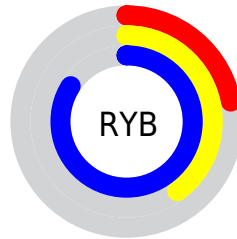
The XYZ color **20.7845, 19.6440, 66.3145** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **39.2197, 36.0901, 8.7714**, and the grayscale version is **15.5846, 16.3962, 17.8554**.

A 20% lighter version of the original color is **41.3544, 41.7031, 100.4776**, and **8.7068, 7.4008, 33.7705** is the 20% darker color. If you saturate the color by 10%, you get **18.3696, 16.2589, 65.7888**, and if you desaturate by 10%, it is **23.9136, 23.6926, 66.9315**.

Distribution



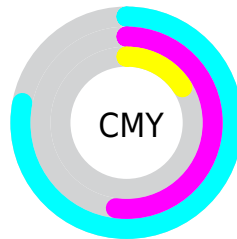
- Red (22%)
- Green (48%)
- Blue (84%)



- Red (22%)
- Yellow (40%)
- Blue (84%)



- Cyan (73%)
- Magenta (43%)
- Yellow (0%)
- Black (16%)



- Cyan (78%)
- Magenta (52%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7845, 19.6440, 66.3145 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 20.7845, 19.6440, 66.3145 by changing the saturation by 10% instead.

■ 20.7845, 19.6440,
66.3145

■ 20.7845, 19.6440,
66.3145

248.8844,
249.9813, 465.9357

■ 13.0781, 12.1365,
48.0697

■ 44.2226, 42.8195,
115.5689

■ 7.5597, 6.8367,
33.5217

■ 60.6850, 59.2563,
147.4156

■ 3.8640, 3.3602,
22.2520

■ 80.7969, 79.4384,
184.6332

■ 1.6255, 1.3226,
13.8421

■ 104.9234,
103.7501, 227.6404

■ 0.4089, 0.1586,
7.8734

■ 133.4301,
132.5759, 276.8558

■ 0.0000, 0.0000,
3.9275

166.6823,

■ 0.0000, 0.0000,

166.3001, 332.6977

1.5856

205.0453,
205.3071, 395.5848

■ 0.0000, 0.0000,
0.2805

■ 0.0000, 0.0000,
0.0000

■ 20.7845, 19.6440,
66.3145

■ 20.7845, 19.6440,
66.3145

■ 18.3696, 16.2589,
65.7888

■ 23.9136, 23.6926,
66.9315

■ 16.5893, 13.4846,
65.3472

■ 27.8190, 28.4469,
67.6433

■ 15.6761, 11.9320,
65.0956

■ 32.5582, 33.9467,
68.4551

■ 38.1822, 40.2280,
69.3711

■ 44.7374, 47.3238,
70.3952

■ 52.2671, 55.2653,
71.5312

■ 60.8115, 64.0818,
72.7827

■ 70.4085, 73.8011,
74.1528

■ 81.0941, 84.4495,
75.6450

Harmonies

Analogous

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



15.5021, 19.6440, 64.1697



20.7845, 19.6440, 66.3145



26.4533, 19.6440, 52.7761

Triad

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



20.7845, 19.6440, 66.3145



27.6996, 19.6440, 7.0917



10.4115, 19.6440, 13.1220

Complementary

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



20.7845, 19.6440, 66.3145



39.2197, 36.0901, 8.7714

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.



12.5877, 19.6440, 5.8390



20.7845, 19.6440, 66.3145



22.2449, 19.6440, 3.7107

Square

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



20.7845, 19.6440, 66.3145



30.9325, 19.6440, 16.0662



16.7059, 19.6440, 3.4025



10.1721, 19.6440, 27.7740

Rectangle

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



20.7845, 19.6440, 66.3145



29.4295, 19.6440, 39.3002



16.7059, 19.6440, 3.4025



10.9176, 19.6440, 9.9636

Sweetspot

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



20.7853, 19.6446, 66.3150



67.7309, 71.6569, 104.8691



31.1267, 51.1204, 36.4885



13.8858, 14.6842, 22.3524



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.



20.7853, 19.6446, 66.3150



25.7478, 21.7945, 97.4574



16.1339, 9.0880, 64.5225



12.1607, 12.8448, 15.7759



9.5724, 7.4065, 39.3782



0.6579, 0.6079, 2.4020

Inverse Universe

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



32.7083, 18.6288, 20.2845



45.3259, 23.6617, 21.0804



48.8509, 60.7951, 13.0323



12.6343, 12.5052, 14.0145



17.8905, 9.0925, 6.7276



1.1197, 0.5647, 0.6199

Previews

White Background



This preview shows how the XYZ color 20.7845, 19.6440, 66.3145 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 20.7845, 19.6440, 66.3145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

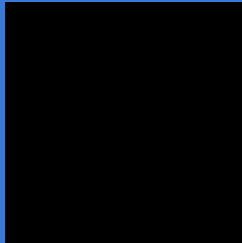
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

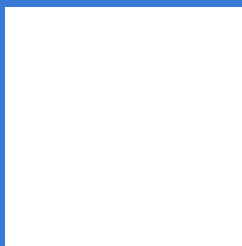
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7845, 19.6440, 66.3145

Background



This preview shows how black text looks on a background with the XYZ color 20.7845, 19.6440, 66.3145.



This preview shows how white text looks on a background with the XYZ color 20.7845, 19.6440,

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

20.7845, 19.6440, 66.3145

Protanopia

21.7480, 19.6461, 64.2739

Deuteranopia

20.2593, 19.5564, 66.3253



Tritanopia

13.8523, 19.4033, 30.2092

Trichromacy



Original Color

20.7845, 19.6440, 66.3145

Protanomaly

21.2726, 19.5641, 64.9424

Deuteranomaly

20.4872, 19.6739, 66.3360

Tritanomaly

15.6426, 19.0650, 41.3835

Monochromacy



Original Color

20.7845, 19.6440, 66.3145

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.2646, 17.0199, 31.2821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7845, 19.6440, 66.3145 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(57, 122, 214)` looks like.

```
.text, #text, p{  
    color:rgb(57, 122, 214)  
}
```

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(57, 122, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 122, 214) }
```

Border

The CSS property to change the border of an element to XYZ 20.7845, 19.6440, 66.3145 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(57, 122, 214) }
```


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

```
.border{ border-color:rgb(57, 122, 214) }
```

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

Here you see how a box with a 4 pixel rgb(57, 122, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 122, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 122, 214);  
box-shadow:4px 4px 4px 4px rgb(57, 122,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7845, 19.6440, 66.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 122, 214) }
```

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

```
.background{ background-color: rgb(57, 122,  
214) }
```

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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