

Converting Colors

XYZ(20.1320, 19.5491, 63.6851)

Have a look what the booklet for
XYZ(20.1320, 19.5491, 63.6851)
contains.

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Color

**XYZ(20.1320, 19.5491,
63.6851)**

Conversions

Conversions Part 1

Format	Color
Hex	347BD2
RGB	52, 123, 210
RGB Percent	20%, 48%, 82%
CMY	0.7960, 0.5176, 0.1765
CMYK	0.75, 0.41, 0.00, 0.18
HSL	213°, 64%, 51%
HSV	213°, 75%, 82%
XYZ	20.1320, 19.5491, 63.6851
YIQ	111.6890, -70.2430, 12.0050

Conversions

Conversions Part 2

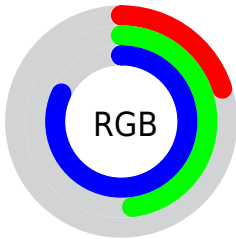
Format	Color
R_{YB}	52, 101, 210
Decimal	3439570
CIE _{Lab}	51.32, 7.86, -51.18
CIE _{LCh}	51, 51.784, 278.731
Yxy	19.5491, 0.1948, 0.1891
Android (android.graphics.Color)	4281629650 (0xFF347BD2)
YUV	111.6890, 48.4673, -52.3473
Hunter-Lab	44.2144, 3.9008, -54.4496

Details

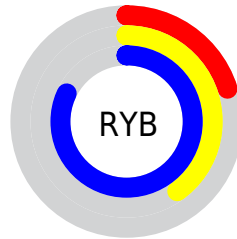
The XYZ color **20.1320, 19.5491, 63.6851** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **36.4330, 32.4185, 7.5874**, and the grayscale version is **15.1889, 15.9799, 17.4021**.

A 20% lighter version of the original color is **40.9877, 41.8019, 100.5160**, and **8.4325, 7.3987, 31.9940** is the 20% darker color. If you saturate the color by 10%, you get **17.9306, 16.4091, 63.1955**, and if you desaturate by 10%, it is **22.9849, 23.2769, 64.2547**.

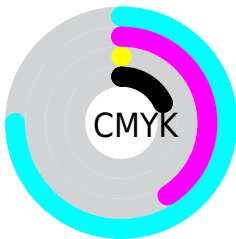
Distribution



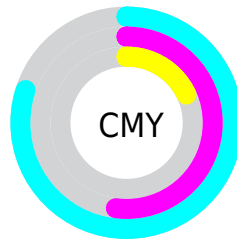
- Red (20%)
- Green (48%)
- Blue (82%)



- Red (20%)
- Yellow (40%)
- Blue (82%)



- Cyan (75%)
- Magenta (41%)
- Yellow (0%)
- Black (18%)



- Cyan (80%)
- Magenta (52%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1320, 19.5491, 63.6851 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 20.1320, 19.5491, 63.6851 by changing the saturation by 10% instead.

■ 20.1320, 19.5491,
63.6851

■ 20.1320, 19.5491,
63.6851

245.4488,
249.4636, 456.2278

■ 12.5999, 12.0677,
45.9511

■ 43.1406, 42.6599,
111.7524

■ 7.2287, 6.7898,
31.8589

■ 59.3478, 59.0581,
142.9228

■ 3.6531, 3.3310,
20.9898

■ 79.1774, 79.1974,
179.4091

■ 1.5078, 1.3069,
12.9254

■ 102.9948,
103.4621, 221.6298

■ 0.3312, 0.1465,
7.2471

■ 131.1652,
132.2367, 270.0035

■ 0.0000, 0.0000,
3.5363

164.0541,

■ 0.0000, 0.0000,

165.9056, 324.9487

1.3746

202.0269,
204.8530, 386.8840

■ 0.0000, 0.0000,
0.1218

■ 0.0000, 0.0000,
0.0000

■ 20.1320, 19.5491,
63.6851

■ 20.1320, 19.5491,
63.6851

■ 17.9306, 16.4091,
63.1955

■ 22.9849, 23.2769,
64.2547

■ 16.3032, 13.8077,
62.7791

■ 26.5491, 27.6311,
64.9073

■ 15.6677, 12.7226,
62.6032

■ 30.8794, 32.6481,
65.6474

■ 36.0242, 38.3603,
66.4789

■ 42.0276, 44.7978,
67.4050

■ 48.9304, 51.9885,
68.4291

■ 56.7705, 59.9589,
69.5544

■ 65.5835, 68.7339,
70.7836

■ 75.4034, 78.3372,
72.1197

Harmonies

Analogous

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



15.2010, 19.5491, 60.3996



20.1320, 19.5491, 63.6851



25.5251, 19.5491, 52.1405

Triad

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



20.1320, 19.5491, 63.6851



27.4710, 19.5491, 7.9739



10.7672, 19.5491, 12.5337

Complementary

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



20.1320, 19.5491, 63.6851



36.4330, 32.4185, 7.5874

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.



13.0262, 19.5491, 5.8992



20.1320, 19.5491, 63.6851



22.4278, 19.5491, 4.2453

Square

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



20.1320, 19.5491, 63.6851



30.2489, 19.5491, 17.2476



17.1115, 19.5491, 3.7190



10.3811, 19.5491, 25.9093

Rectangle

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



20.1320, 19.5491, 63.6851



28.4459, 19.5491, 39.7612



17.1115, 19.5491, 3.7190



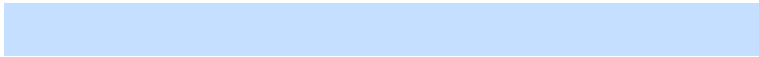
11.3095, 19.5491, 9.6584

Sweetspot

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



20.1328, 19.5497, 63.6856



67.2145, 71.6196, 104.8891



29.1169, 48.6853, 32.2526



13.6029, 14.5020, 22.3322



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.



20.1328, 19.5497, 63.6856



26.2637, 23.0339, 97.6695



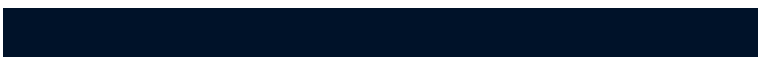
14.7196, 8.0682, 61.7548



11.5948, 12.2799, 15.0028



9.6543, 7.9553, 38.2192



0.6185, 0.6022, 2.1632

Inverse Universe

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



31.3823, 17.5889, 20.4801



45.5357, 23.5517, 22.7829



48.0514, 58.9123, 12.0889



12.0264, 11.8953, 13.4147



17.5038, 8.8744, 7.5591



1.0184, 0.5121, 0.6318

Previews

White Background



This preview shows how the XYZ color 20.1320, 19.5491, 63.6851 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 20.1320, 19.5491, 63.6851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

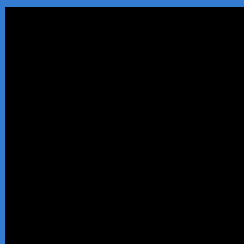
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

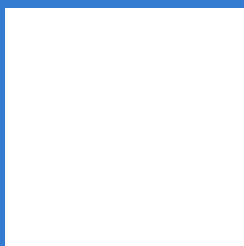
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1320, 19.5491, 63.6851

Background



This preview shows how black text looks on a background with the XYZ color 20.1320, 19.5491, 63.6851.



This preview shows how white text looks on a background with the XYZ color 20.1320, 19.5491,

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

20.1320, 19.5491, 63.6851

Protanopia

21.3936, 19.5347, 61.0355

Deuteranopia

20.1320, 19.5491, 63.6851



Tritanopia

13.7748, 19.3723, 29.8013

Trichromacy



Original Color

20.1320, 19.5491, 63.6851

Protanomaly

20.6514, 19.3157, 61.6713

Deuteranomaly

20.1320, 19.5491, 63.6851

Tritanomaly

15.5463, 19.2356, 40.4296

Monochromacy



Original Color

20.1320, 19.5491, 63.6851

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.8071, 16.8026, 30.4271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1320, 19.5491, 63.6851 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(52, 123, 210)` looks like.

```
.text, #text, p{  
    color:rgb(52, 123, 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(52, 123, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 123, 210) }
```

Border

The CSS property to change the border of an element to XYZ 20.1320, 19.5491, 63.6851 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(52, 123, 210) }
```


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

```
.border{ border-color:rgb(52, 123, 210) }
```

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

Here you see how a box with a 4 pixel rgb(52, 123, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 123, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 123, 210);  
box-shadow:4px 4px 4px 4px rgb(52, 123,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1320, 19.5491, 63.6851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 123, 210) }
```

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

```
.background{ background-color: rgb(52, 123,  
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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