

Converting Colors

XYZ(20.4720, 16.5897, 79.2150)

Have a look what the booklet for
XYZ(20.4720, 16.5897, 79.2150)
contains.

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Color

**XYZ(20.5307, 16.6899,
79.2302)**

Conversions

Conversions Part 1

Format	Color
Hex	1F6BE9
RGB	31, 107, 233
RGB Percent	12%, 42%, 91%
CMY	0.8783, 0.5804, 0.0863
CMYK	0.87, 0.54, 0.00, 0.09
HSL	217°, 82%, 52%
HSV	217°, 87%, 91%
XYZ	20.5307, 16.6899, 79.2302
YIQ	98.6400, -85.7420, 23.0740

Conversions

Conversions Part 2

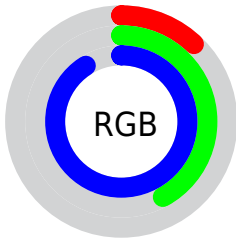
Format	Color
R_{YB}	31, 86, 233
Decimal	2059241
CIE _{Lab}	47.87, 24.71, -69.77
CIE _{LCh}	48, 74.022, 289.504
Yxy	16.6899, 0.1763, 0.1433
Android (android.graphics.Color)	4280249321 (0xFF1F6BE9)
YUV	98.6400, 66.2395, -59.3203
Hunter-Lab	40.8533, 18.2115, -86.3888

Details

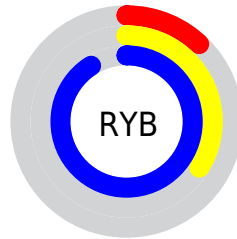
The XYZ color **20.5307, 16.6899, 79.2302** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **45.9131, 41.5447, 6.8970**, and the grayscale version is **11.6260, 12.2314, 13.3200**.

A 20% lighter version of the original color is **37.3471, 35.3186, 99.4565**, and **9.5052, 6.4721, 41.8226** is the 20% darker color. If you saturate the color by 10%, you get **18.6723, 13.6681, 78.7453**, and if you desaturate by 10%, it is **23.1494, 20.4817, 79.8245**.

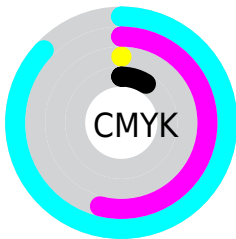
Distribution



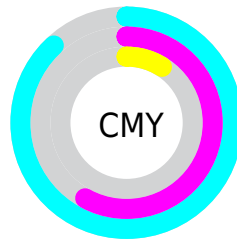
- Red (12%)
- Green (42%)
- Blue (91%)



- Red (12%)
- Yellow (34%)
- Blue (91%)



- Cyan (87%)
- Magenta (54%)
- Yellow (0%)
- Black (9%)



- Cyan (88%)
- Magenta (58%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5307, 16.6899, 79.2302 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 20.5307, 16.6899, 79.2302 by changing the saturation by 10% instead.

■ 20.5307, 16.6899,
79.2302

■ 20.5307, 16.6899,
79.2302

247.5530,
233.3790, 511.9729

■ 12.8919, 10.0136,
58.5627

■ 43.8024, 37.7918,
134.0845

■ 7.4306, 5.4080,
41.8435

■ 60.1659, 52.9863,
169.1083

■ 3.7816, 2.4886,
28.6541

■ 80.1684, 71.7890,
209.7547

■ 1.5793, 0.8709,
18.5760

■ 104.1753, 94.5842,
256.4421

■ 0.3789, 0.0000,
11.1906

■ 132.5518,
121.7564, 309.5890

■ 0.0000, 0.0000,
6.0794

165.6634,

■ 0.0000, 0.0000,

153.6900, 369.6142

2.8238

203.8753,
190.7694, 436.9359

■ 0.0000, 0.0000,
1.0054

■ 0.0000, 0.0000,
0.0000

■ 20.5307, 16.6899,
79.2302

■ 20.5307, 16.6899,
79.2302

■ 18.6723, 13.6681,
78.7453

■ 23.1494, 20.4817,
79.8245

■ 18.1689, 12.8048,
78.6052

■ 26.6333, 25.1154,
80.5353

■ 31.0697, 30.6522,
81.3702

■ 36.5333, 37.1464,
82.3357

■ 43.0909, 44.6470,
83.4379

■ 50.8033, 53.1995,
84.6822

■ 59.7265, 62.8462,
86.0738

■ 69.9128, 73.6267,
87.6178

■ 81.4111, 85.5788,
89.3188

Harmonies

Analogous

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



13.6445, 16.6899, 83.2731



20.5307, 16.6899, 79.2302



27.7197, 16.6899, 53.8721

Triad

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



20.5307, 16.6899, 79.2302



25.7086, 16.6899, 2.1224



6.3144, 16.6899, 12.2807

Complementary

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



20.5307, 16.6899, 79.2302



45.9131, 41.5447, 6.8970

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.



7.9864, 16.6899, 3.2509



20.5307, 16.6899, 79.2302



18.3103, 16.6899, 0.6813

Square

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



20.5307, 16.6899, 79.2302



31.2409, 16.6899, 8.4774



11.9629, 16.6899, 0.8917



6.6001, 16.6899, 33.3600

Rectangle

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



20.5307, 16.6899, 79.2302



31.1221, 16.6899, 34.2615



11.9629, 16.6899, 0.8917



6.6424, 16.6899, 8.1239

Sweetspot

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



20.5315, 16.6903, 79.2307



62.9174, 65.9115, 104.0138



35.6697, 60.9558, 41.1502



12.7202, 13.2881, 22.1444



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.



20.5315, 16.6903, 79.2307



22.2258, 15.5716, 96.4419



16.7517, 7.6650, 77.6878



14.6955, 15.4774, 19.1351



10.4191, 7.4852, 44.6386



0.9080, 0.7675, 3.5352

Inverse Universe

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



36.7489, 19.3665, 15.7112



43.3477, 22.1031, 13.0292



55.8049, 71.9963, 12.2534



15.2998, 15.1478, 16.8643



20.1144, 10.2484, 6.4036



1.6248, 0.8229, 0.7417

Previews

White Background



This preview shows how the XYZ color 20.5307, 16.6899, 79.2302 looks on a white background.

Color Contrast Check

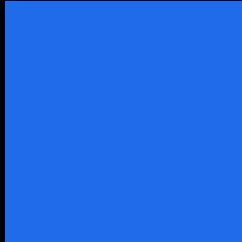
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5307, 16.6899, 79.2302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

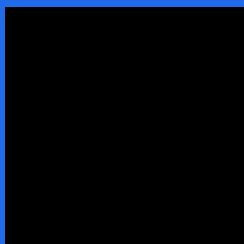
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

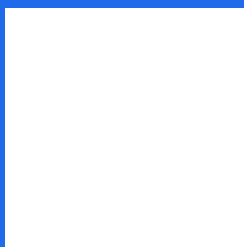
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5307, 16.6899, 79.2302

Background



This preview shows how black text looks on a background with the XYZ color 20.5307, 16.6899, 79.2302.



This preview shows how white text looks on a background with the XYZ color 20.5307, 16.6899,

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

20.5307, 16.6899, 79.2302

Protanopia

19.7864, 16.4946, 77.7422

Deuteranopia

16.5542, 16.6143, 56.3672



Tritanopia

11.5673, 16.3607, 24.7386

Trichromacy



Original Color

20.5307, 16.6899, 79.2302

Protanomaly

20.0661, 16.6225, 78.4948

Deuteranomaly

17.8010, 16.5846, 63.8909

Tritanomaly

13.7779, 15.8926, 39.8775

Monochromacy



Original Color

20.5307, 16.6899, 79.2302

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.9207, 13.0967, 29.8639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5307, 16.6899, 79.2302 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(31, 107, 233)` looks like.

```
.text, #text, p{  
    color:rgb(31, 107, 233)  
}
```

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(31, 107, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 107, 233) }
```

Border

The CSS property to change the border of an element to XYZ 20.5307, 16.6899, 79.2302 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(31, 107, 233) }
```


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

```
.border{ border-color:rgb(31, 107, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 107, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 107, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 107, 233);  
box-shadow:4px 4px 4px 4px rgb(31, 107,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5307, 16.6899, 79.2302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 107, 233) }
```

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

```
.background{ background-color: rgb(31, 107,  
233) }
```

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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