

Converting Colors

XYZ(20.1238, 19.3176, 66.4204)

Have a look what the booklet for
XYZ(20.1238, 19.3176, 66.4204)
contains.

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Color

**XYZ(20.0934, 19.2877,
66.2822)**

Conversions

Conversions Part 1

Format	Color
Hex	2B7AD6
RGB	43, 122, 214
RGB Percent	17%, 48%, 84%
CMY	0.8313, 0.5216, 0.1608
CMYK	0.80, 0.43, 0.00, 0.16
HSL	212°, 68%, 50%
HSV	212°, 80%, 84%
XYZ	20.0934, 19.2877, 66.2822
YIQ	108.8670, -76.6160, 11.8640

Conversions

Conversions Part 2

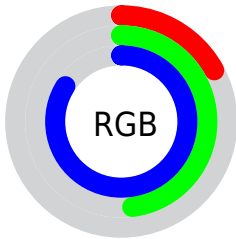
Format	Color
R _Y B	43, 97, 214
Decimal	2849494
CIE Lab	51.02, 8.97, -53.95
CIE LCh	51, 54.687, 279.439
Yxy	19.2877, 0.1902, 0.1825
Android (android.graphics.Color)	4281039574 (0xFF2B7AD6)
YUV	108.8670, 51.8306, -57.7654
Hunter-Lab	43.9178, 4.8118, -58.7401

Details

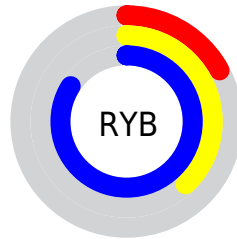
The XYZ color **20.0934, 19.2877, 66.2822** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **36.8342, 31.8029, 6.4842**, and the grayscale version is **14.3732, 15.1217, 16.4675**.

A 20% lighter version of the original color is **40.2563, 41.1369, 100.4262**, and **8.7068, 7.4008, 33.7705** is the 20% darker color. If you saturate the color by 10%, you get **18.0887, 16.2784, 65.8075**, and if you desaturate by 10%, it is **22.7374, 22.8756, 66.8358**.

Distribution



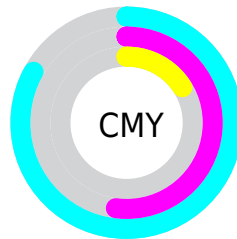
- Red (17%)
- Green (48%)
- Blue (84%)



- Red (17%)
- Yellow (38%)
- Blue (84%)



- Cyan (80%)
- Magenta (43%)
- Yellow (0%)
- Black (16%)



- Cyan (83%)
- Magenta (52%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0934, 19.2877, 66.2822 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 20.0934, 19.2877, 66.2822 by changing the saturation by 10% instead.

■ 20.0934, 19.2877,
66.2822

■ 20.0934, 19.2877,
66.2822

245.2442,
248.0325, 465.8172

■ 12.5716, 11.8783,
48.0436

■ 43.0765, 42.2197,
115.5221

■ 7.2092, 6.6609,
33.5012

■ 59.2685, 58.5111,
147.3605

■ 3.6408, 3.2509,
22.2364

■ 79.0812, 78.5320,
184.5693

■ 1.5010, 1.2641,
13.8307

■ 102.8801,
102.6668, 227.5669

■ 0.3265, 0.1132,
7.8656

■ 131.0305,
131.2998, 276.7720

■ 0.0000, 0.0000,
3.9225

163.8978,

■ 0.0000, 0.0000,

164.8155, 332.6030

1.5830

201.8472,
203.5983, 395.4786

■ 0.0000, 0.0000,
0.2786

■ 0.0000, 0.0000,
0.0000

■ 20.0934, 19.2877,
66.2822

■ 20.0934, 19.2877,
66.2822

■ 18.0887, 16.2784,
65.8075

■ 22.7374, 22.8756,
66.8358

■ 16.5996, 13.7748,
65.4027

■ 26.0884, 27.0847,
67.4716

■ 16.5859, 13.7515,
65.3989

■ 30.2070, 31.9542,
68.1945

■ 35.1461, 37.5191,
69.0083

■ 40.9534, 43.8110,
69.9167

■ 47.6729, 50.8596,
70.9230

■ 55.3451, 58.6924,
72.0306

■ 64.0083, 67.3358,
73.2423

■ 73.6984, 76.8144,
74.5611

Harmonies

Analogous

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



14.9137, 19.2877, 63.1161



20.0934, 19.2877, 66.2822



25.7734, 19.2877, 53.4701

Triad

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



20.0934, 19.2877, 66.2822



27.6056, 19.2877, 7.1836



10.2101, 19.2877, 12.1735

Complementary

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



20.0934, 19.2877, 66.2822



36.8342, 31.8029, 6.4842

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.



12.4821, 19.2877, 5.3647



20.0934, 19.2877, 66.2822



22.2372, 19.2877, 3.6270

Square

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



20.0934, 19.2877, 66.2822



30.6398, 19.2877, 16.4807



16.6774, 19.2877, 3.1827



9.8607, 19.2877, 26.2804

Rectangle

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



20.0934, 19.2877, 66.2822



28.8381, 19.2877, 40.1019



16.6774, 19.2877, 3.1827



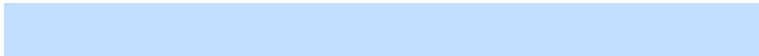
10.7494, 19.2877, 9.1961

Sweetspot

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



20.0942, 19.2883, 66.2827



66.3870, 70.9431, 104.8022



29.3612, 50.3344, 30.7982



13.4522, 14.3875, 22.3180



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.



20.0942, 19.2883, 66.2827



25.2959, 21.5223, 97.4287



14.2550, 7.2298, 64.2630



12.2106, 12.9447, 15.7925



10.1268, 8.5154, 39.5631



0.6931, 0.6782, 2.4137

Inverse Universe

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



32.1091, 17.4303, 20.0847



44.9437, 22.9186, 20.8871



50.5803, 61.7216, 11.5346



12.6595, 12.5153, 14.1472



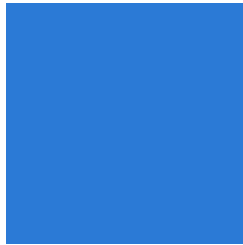
18.1704, 9.2045, 8.2014



1.1375, 0.5718, 0.7134

Previews

White Background



This preview shows how the XYZ color 20.0934, 19.2877, 66.2822 looks on a white background.

Color Contrast Check

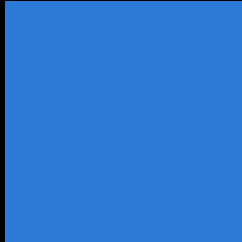
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0934, 19.2877, 66.2822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

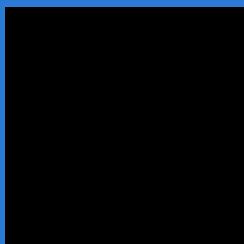
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

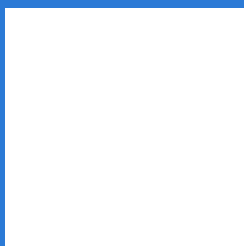
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0934, 19.2877, 66.2822

Background



This preview shows how black text looks on a background with the XYZ color 20.0934, 19.2877, 66.2822.



This preview shows how white text looks on a background with the XYZ color 20.0934, 19.2877,

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

20.0934, 19.2877, 66.2822

Protanopia

21.3357, 19.2723, 63.5682

Deuteranopia

19.9481, 19.3960, 66.3108



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

20.0934, 19.2877, 66.2822

Protanomaly

20.6015, 19.0551, 64.2202

Deuteranomaly

20.0573, 19.4523, 66.3159

Tritanomaly

15.3577, 18.9400, 40.3825

Monochromacy



Original Color

20.0934, 19.2877, 66.2822

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.0301, 16.0725, 29.9139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0934, 19.2877, 66.2822 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(43, 122, 214)` looks like.

```
.text, #text, p{  
    color:rgb(43, 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(43, 122, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 122, 214) }
```

Border

The CSS property to change the border of an element to XYZ 20.0934, 19.2877, 66.2822 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(43, 122, 214) }
```


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

```
.border{ border-color:rgb(43, 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(43, 122, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 122, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 122, 214);  
box-shadow:4px 4px 4px 4px rgb(43, 122,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0934, 19.2877, 66.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 122, 214) }
```

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

```
.background{ background-color: rgb(43, 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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