

Converting Colors

XYZ(14.4470, 18.0356, 63.4876)

Have a look what the booklet for
XYZ(14.4470, 18.0356, 63.4876)
contains.

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Color

**XYZ(19.6155, 20.6184,
63.9187)**

Conversions

Conversions Part 1

Format	Color
Hex	0082D2
RGB	0, 130, 210
RGB Percent	0%, 51%, 82%
CMY	0.9998, 0.4902, 0.1765
CMYK	1.00, 0.38, 0.00, 0.18
HSL	203°, 100%, 41%
HSV	203°, 100%, 82%
XYZ	19.6155, 20.6184, 63.9187
YIQ	100.2500, -103.1600, -2.6800

Conversions

Conversions Part 2

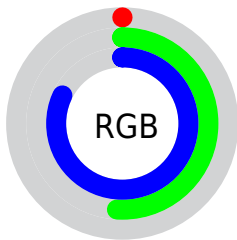
Format	Color
R _Y B	0, 80, 210
Decimal	33490
CIE Lab	52.53, 0.09, -49.31
CIE LCh	53, 49.309, 270.107
Yxy	20.6184, 0.1883, 0.1980
Android (android.graphics.Color)	4278223570 (0xFF0082D2)
YUV	100.2500, 54.1067, -87.9193
Hunter-Lab	45.4075, -2.3532, -51.6754

Details

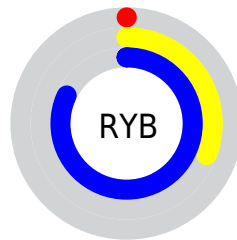
The XYZ color **19.6155, 20.6184, 63.9187** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **29.4511, 19.4465, 2.2027**, and the grayscale version is **12.0660, 12.6944, 13.8242**.

A 20% lighter version of the original color is **40.2390, 43.7963, 100.9405**, and **8.8588, 8.2514, 32.1361** is the 20% darker color. If you saturate the color by 10%, you get **19.6132, 20.6136, 63.9184**, and if you desaturate by 10%, it is **21.0322, 22.9909, 64.3024**.

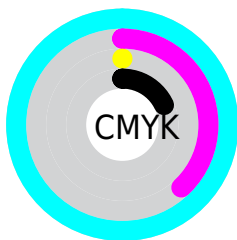
Distribution



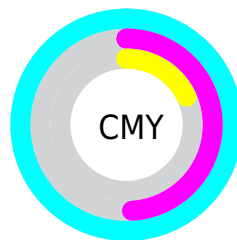
- Red (0%)
- Green (51%)
- Blue (82%)



- Red (0%)
- Yellow (31%)
- Blue (82%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (49%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6155, 20.6184, 63.9187 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 19.6155, 20.6184, 63.9187 by changing the saturation by 10% instead.

■ 19.6155, 20.6184,
63.9187

■ 19.6155, 20.6184,
63.9187

242.6994,
255.2435, 457.0954

■ 12.2225, 12.8454,
46.1391

■ 42.2805, 44.4516,
112.0922

■ 6.9687, 7.3221,
32.0061

■ 58.2832, 61.2805,
143.3231

■ 3.4887, 3.6644,
21.1013

■ 77.8864, 81.8968,
179.8749

■ 1.4171, 1.4876,
13.0061

■ 101.4557,
106.6850, 222.1661

■ 0.2684, 0.2800,
7.3020

■ 129.3562,
136.0293, 270.6151

■ 0.0000, 0.0000,
3.5704

161.9535,

■ 0.0000, 0.0000,

170.3142, 325.6407

1.3927

199.6127,
209.9242, 387.6613

■ 0.0000, 0.0000,
0.1360

■ 0.0000, 0.0000,
0.0000

■ 19.6155, 20.6184,
63.9187

■ 19.6155, 20.6184,
63.9187

■ 19.6132, 20.6136,
63.9184

■ 21.0322, 22.9909,
64.3024

■ 22.8695, 25.7057,
64.7296

■ 25.2428, 28.8250,
65.2066

■ 28.2155, 32.3840,
65.7369

■ 31.8413, 36.4129,
66.3234

■ 36.1674, 40.9383,
66.9689

■ 41.2366, 45.9847,
67.6758

■ 47.0876, 51.5743,
68.4463

■ 53.7566, 57.7280,
69.2826

Harmonies

Analogous

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



15.1016, 20.6184, 56.6973



19.6155, 20.6184, 63.9187



24.9439, 20.6184, 56.6001

Triad

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



19.6155, 20.6184, 63.9187



29.3724, 20.6184, 11.0965



12.2606, 20.6184, 11.1534

Complementary

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



19.6155, 20.6184, 63.9187



29.4511, 19.4465, 2.2027

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.



15.0749, 20.6184, 5.8568



19.6155, 20.6184, 63.9187



24.9066, 20.6184, 5.8354

Square

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



19.6155, 20.6184, 63.9187



31.1408, 20.6184, 22.3975



19.5789, 20.6184, 4.4410



11.3301, 20.6184, 22.5025

Rectangle

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



19.6155, 20.6184, 63.9187



28.1326, 20.6184, 45.7321



19.5789, 20.6184, 4.4410



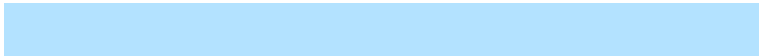
12.9905, 20.6184, 8.8177

Sweetspot

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



19.6163, 20.6190, 63.9192



63.6807, 71.0556, 104.9665



24.3881, 46.6302, 14.7422



12.8855, 14.4754, 22.3648



0.0000, 0.0000, 0.0000



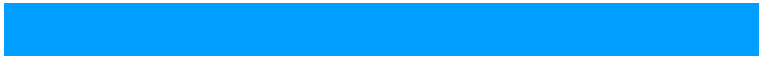
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.6163, 20.6190, 63.9192



30.2487, 31.6173, 99.1162



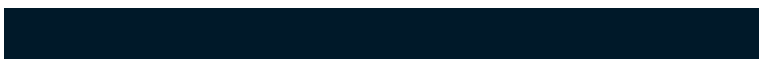
12.0499, 5.4861, 61.3971



11.7642, 12.6187, 15.0593



12.0634, 12.7734, 39.0222



0.7498, 0.8649, 2.2070

Inverse Universe

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



30.6084, 15.3146, 22.4622



47.3973, 23.7229, 34.3540



43.3083, 47.1608, 6.8218



12.1119, 11.9295, 13.8650



18.7198, 9.3607, 13.9624



1.0847, 0.5386, 0.9809

Previews

White Background



This preview shows how the XYZ color 19.6155, 20.6184, 63.9187 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 19.6155, 20.6184, 63.9187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

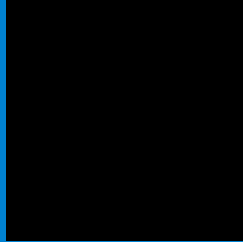
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6155, 20.6184, 63.9187

Background



This preview shows how black text looks on a background with the XYZ color 19.6155, 20.6184, 63.9187.



This preview shows how white text looks on a background with the XYZ color 19.6155, 20.6184,

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

19.6155, 20.6184, 63.9187

Protanopia

22.2532, 20.5580, 59.2951

Deuteranopia

21.3331, 20.7148, 64.5020



Tritanopia

14.6574, 20.6352, 31.6442

Trichromacy



Original Color

19.6155, 20.6184, 63.9187

Protanomaly

20.2778, 20.0533, 61.1944

Deuteranomaly

20.2617, 20.3533, 64.4887

Tritanomaly

16.1548, 20.5486, 41.6429

Monochromacy



Original Color

19.6155, 20.6184, 63.9187

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.5324, 14.3523, 26.9207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6155, 20.6184, 63.9187 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(0, 130, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 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(0, 130, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 210) }
```

Border

The CSS property to change the border of an element to XYZ 19.6155, 20.6184, 63.9187 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(0, 130, 210) }
```


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

```
.border{ border-color:rgb(0, 130, 210) }
```

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

Here you see how a box with a 4 pixel rgb(0, 130, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6155, 20.6184, 63.9187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 210) }
```

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

```
.background{ background-color: rgb(0, 130,  
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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