

Converting Colors

XYZ(19.4766, 20.5955, 63.0869)

Have a look what the booklet for
XYZ(19.4766, 20.5955, 63.0869)
contains.

XYZ(19.4913, 20.5687, 63.2645)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.4913, 20.5687,
63.2645)**

Conversions

Conversions Part 1

Format	Color
Hex	0082D1
RGB	0, 130, 209
RGB Percent	0%, 51%, 82%
CMY	0.9998, 0.4902, 0.1804
CMYK	1.00, 0.38, 0.00, 0.18
HSL	203°, 100%, 41%
HSV	203°, 100%, 82%
XYZ	19.4913, 20.5687, 63.2645
YIQ	100.1360, -102.8390, -2.9910

Conversions

Conversions Part 2

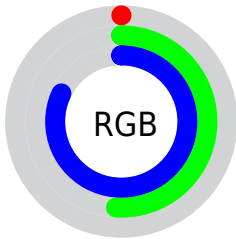
Format	Color
R _{YB}	0, 80, 209
Decimal	33489
CIE Lab	52.47, -0.30, -48.83
CIE LCh	52, 48.832, 269.653
Yxy	20.5687, 0.1886, 0.1991
Android (android.graphics.Color)	4278223569 (0xFF0082D1)
YUV	100.1360, 53.6700, -87.8193
Hunter-Lab	45.3527, -2.6531, -50.9593

Details

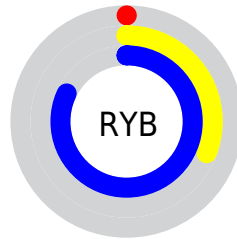
The XYZ color **19.4913, 20.5687, 63.2645** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **29.0948, 19.1552, 2.1654**, and the grayscale version is **12.0383, 12.6652, 13.7924**.

A 20% lighter version of the original color is **40.2390, 43.7963, 100.9405**, and **8.7752, 8.2180, 31.6956** is the 20% darker color. If you saturate the color by 10%, you get **19.4888, 20.5636, 63.2641**, and if you desaturate by 10%, it is **20.8915, 22.9115, 63.6434**.

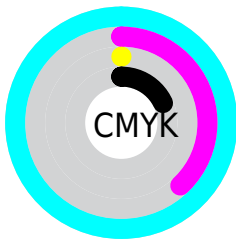
Distribution



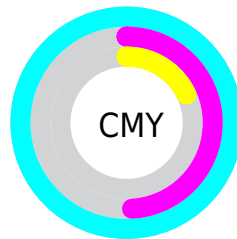
- Red (0%)
- Green (51%)
- Blue (82%)



- 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 19.4913, 20.5687, 63.2645 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 19.4913, 20.5687, 63.2645 by changing the saturation by 10% instead.

■ 19.4913, 20.5687,
63.2645

■ 19.4913, 20.5687,
63.2645

242.0341,
254.9774, 454.6631

■ 12.1319, 12.8091,
45.6128

■ 42.0731, 44.3686,
111.1403

■ 6.9064, 7.2972,
31.5940

■ 58.0263, 61.1777,
142.2015

■ 3.4495, 3.6487,
20.7893

■ 77.5748, 81.7721,
178.5696

■ 1.3957, 1.4790,
12.7803

■ 101.0839,
106.5362, 220.6632

■ 0.2531, 0.2739,
7.1485

■ 128.9190,
135.8544, 268.9008

■ 0.0000, 0.0000,
3.4753

161.4456,

■ 0.0000, 0.0000,

170.1111, 323.7010

1.3422

199.0288,
209.6906, 385.4822

■ 0.0000, 0.0000,
0.0960

■ 0.0000, 0.0000,
0.0000

■ 19.4913, 20.5687,
63.2645

■ 19.4913, 20.5687,
63.2645

■ 19.4888, 20.5636,
63.2641

■ 20.8915, 22.9115,
63.6434

■ 22.7064, 25.5903,
64.0648

■ 25.0502, 28.6667,
64.5351

■ 27.9855, 32.1755,
65.0576

■ 31.5654, 36.1462,
65.6354

■ 35.8364, 40.6054,
66.2710

■ 40.8407, 45.5768,
66.9668

■ 46.6168, 51.0826,
67.7251

■ 53.2001, 57.1432,
68.5479

Harmonies

Analogous

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



15.0458, 20.5687, 55.9575



19.4913, 20.5687, 63.2645



24.7545, 20.5687, 56.2676

Triad

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



19.4913, 20.5687, 63.2645



29.2532, 20.5687, 11.2683



12.3147, 20.5687, 11.0851

Complementary

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



19.4913, 20.5687, 63.2645



29.0948, 19.1552, 2.1654

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.



15.1313, 20.5687, 5.8860



19.4913, 20.5687, 63.2645



24.8737, 20.5687, 5.9553

Square

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



19.4913, 20.5687, 63.2645



30.9472, 20.5687, 22.5643



19.6087, 20.5687, 4.5156



11.3634, 20.5687, 22.2282

Rectangle

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



19.4913, 20.5687, 63.2645



27.9172, 20.5687, 45.6354



19.6087, 20.5687, 4.5156



13.0478, 20.5687, 8.7920

Sweetspot

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



19.4921, 20.5693, 63.2650



63.7422, 71.1786, 104.9870



24.1292, 46.1328, 14.5926



12.9001, 14.5047, 22.3697



0.0000, 0.0000, 0.0000



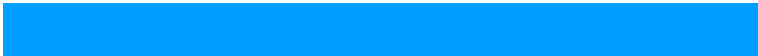
20.3446, 21.4041, 23.3091

Same Dimension

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



19.4921, 20.5693, 63.2650



30.3774, 31.8749, 99.1591



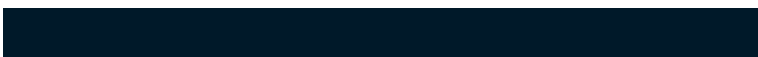
11.9226, 5.4302, 60.7419



11.7672, 12.6247, 15.0603



12.1137, 12.8741, 39.0390



0.7524, 0.8701, 2.2078

Inverse Universe

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



30.3246, 15.1683, 22.4489



47.4623, 23.7489, 34.6963



42.8476, 46.6607, 6.7496



12.1134, 11.9301, 13.8730



18.7452, 9.3709, 14.0962



1.0860, 0.5391, 0.9878

Previews

White Background



This preview shows how the XYZ color 19.4913, 20.5687, 63.2645 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 19.4913, 20.5687, 63.2645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

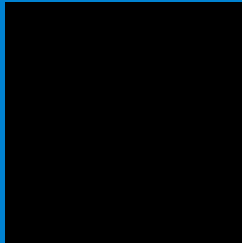
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4913, 20.5687, 63.2645

Background



This preview shows how black text looks on a background with the XYZ color 19.4913, 20.5687, 63.2645.



This preview shows how white text looks on a background with the XYZ color 19.4913, 20.5687,

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

19.4913, 20.5687, 63.2645

Protanopia

22.1344, 20.5105, 58.6694

Deuteranopia

21.2737, 20.6987, 63.8468



Tritanopia

14.5779, 20.6034, 31.2255

Trichromacy



Original Color

19.4913, 20.5687, 63.2645

Protanomaly

20.1567, 20.0048, 60.5566

Deuteranomaly

20.1367, 20.3033, 63.8304

Tritanomaly

16.0599, 20.5106, 41.1427

Monochromacy



Original Color

19.4913, 20.5687, 63.2645

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 19.4913, 20.5687, 63.2645 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 209) }
```

Border

The CSS property to change the border of an element to XYZ 19.4913, 20.5687, 63.2645 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, 209) }
```


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

```
.border{ border-color:rgb(0, 130, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 130, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 130, 209); box-shadow:4px 4px 4px 4px rgb(0, 130, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4913, 20.5687, 63.2645 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, 209) }
```

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

```
.background{ background-color: rgb(0, 130,  
209) }
```

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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