

Converting Colors

XYZ(10.0289, 14.6524, 69.2357)

Have a look what the booklet for
XYZ(10.0289, 14.6524, 69.2357)
contains.

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Color

**XYZ(20.1198, 19.7817,
69.7757)**

Conversions

Conversions Part 1

Format	Color
Hex	007DDB
RGB	0, 125, 219
RGB Percent	0%, 49%, 86%
CMY	0.9998, 0.5098, 0.1412
CMYK	1.00, 0.43, 0.00, 0.14
HSL	206°, 100%, 43%
HSV	206°, 100%, 86%
XYZ	20.1198, 19.7817, 69.7757
YIQ	98.3410, -104.6740, 2.7340

Conversions

Conversions Part 2

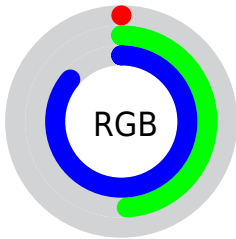
Format	Color
R _{YB}	0, 80, 219
Decimal	32219
CIE Lab	51.59, 6.65, -55.90
CIE LCh	52, 56.290, 276.788
Yxy	19.7817, 0.1834, 0.1804
Android (android.graphics.Color)	4278222299 (0xFF007DDB)
YUV	98.3410, 59.4849, -86.2451
Hunter-Lab	44.4766, 2.9136, -61.8815

Details

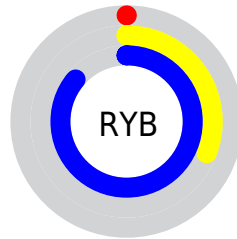
The XYZ color **20.1198, 19.7817, 69.7757** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **33.2214, 23.0753, 2.7046**, and the grayscale version is **11.5737, 12.1764, 13.2601**.

A 20% lighter version of the original color is **39.3657, 41.5478, 100.5525**, and **9.2647, 7.9521, 35.6969** is the 20% darker color. If you saturate the color by 10%, you get **20.1171, 19.7761, 69.7752**, and if you desaturate by 10%, it is **21.6971, 22.4464, 70.2074**.

Distribution



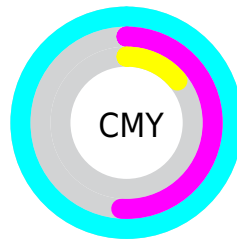
- Red (0%)
- Green (49%)
- Blue (86%)



- Red (0%)
- Yellow (31%)
- Blue (86%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (51%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1198, 19.7817, 69.7757 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 20.1198, 19.7817, 69.7757 by changing the saturation by 10% instead.

■ 20.1198, 19.7817,
69.7757

■ 20.1198, 19.7817,
69.7757

245.3841,
250.7309, 478.5299

■ 12.5909, 12.2365,
50.8680

■ 43.1204, 43.0509,
120.5669

■ 7.2225, 6.9049,
35.7276

■ 59.3228, 59.5436,
153.2876

■ 3.6492, 3.4027,
23.9359

■ 79.1470, 79.7876,
191.4496

■ 1.5057, 1.3454,
15.0743

■ 102.9586,
104.1673, 235.4716

■ 0.3297, 0.1760,
8.7243

■ 131.1227,
133.0671, 285.7721

■ 0.0000, 0.0000,
4.4675

164.0047,

■ 0.0000, 0.0000,

166.8714, 342.7696

1.8851

201.9701,
205.9645, 406.8827

■ 0.0000, 0.0000,
0.4833

■ 0.0000, 0.0000,
0.0000

■ 20.1198, 19.7817,
69.7757

■ 20.1198, 19.7817,
69.7757

■ 20.1171, 19.7761,
69.7752

■ 21.6971, 22.4464,
70.2074

■ 23.7625, 25.5344,
70.6946

■ 26.4418, 29.1147,
71.2444

■ 29.8061, 33.2285,
71.8611

■ 33.9162, 37.9107,
72.5483

■ 38.8252, 43.1928,
73.3091

■ 44.5810, 49.1031,
74.1465

■ 51.2277, 55.6681,
75.0634

■ 58.8059, 62.9122,
76.0622

Harmonies

Analogous

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



14.8253, 19.7817, 64.8443



20.1198, 19.7817, 69.7757



26.1129, 19.7817, 57.4522

Triad

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



20.1198, 19.7817, 69.7757



28.9502, 19.7817, 7.7327



10.4590, 19.7817, 11.4306

Complementary

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



20.1198, 19.7817, 69.7757



33.2214, 23.0753, 2.7046

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.



13.0013, 19.7817, 4.9652



20.1198, 19.7817, 69.7757



23.4327, 19.7817, 3.7033

Square

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



20.1198, 19.7817, 69.7757



31.8331, 19.7817, 18.0561



17.5429, 19.7817, 3.0346



9.9234, 19.7817, 25.4430

Rectangle

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



20.1198, 19.7817, 69.7757



29.4736, 19.7817, 43.5571



17.5429, 19.7817, 3.0346



11.0782, 19.7817, 8.5671

Sweetspot

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



20.1207, 19.7823, 69.7762



62.6879, 69.0699, 104.6356



27.2329, 51.4240, 18.4519



12.6493, 14.0030, 22.2861



0.0000, 0.0000, 0.0000



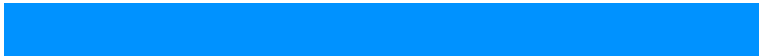
20.3446, 21.4041, 23.3091

Same Dimension

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



20.1207, 19.7823, 69.7762



28.2553, 27.6305, 98.4518



13.0081, 5.5572, 67.4054



12.9524, 13.8445, 16.6417



12.0391, 11.9477, 41.4100



0.8649, 0.9439, 2.7110

Inverse Universe

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



32.9159, 16.5420, 20.8603



46.3911, 23.3205, 29.0556



50.0435, 56.7195, 8.3119



13.3658, 13.1754, 15.1877



19.5721, 9.8299, 12.6588



1.3108, 0.6540, 1.0458

Previews

White Background



This preview shows how the XYZ color 20.1198, 19.7817, 69.7757 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 20.1198, 19.7817, 69.7757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

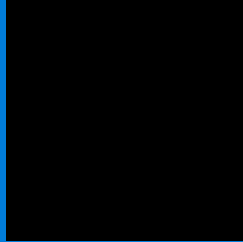
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1198, 19.7817, 69.7757

Background



This preview shows how black text looks on a background with the XYZ color 20.1198, 19.7817, 69.7757.



This preview shows how white text looks on a background with the XYZ color 20.1198, 19.7817,

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

20.1198, 19.7817, 69.7757

Protanopia

21.9153, 19.7032, 65.5988

Deuteranopia

20.4198, 19.7494, 69.7536



Tritanopia

13.9150, 19.6527, 29.8480

Trichromacy



Original Color

20.1198, 19.7817, 69.7757

Protanomaly

20.4684, 19.2848, 66.9335

Deuteranomaly

20.2250, 19.6489, 69.7445

Tritanomaly

15.6977, 19.4811, 41.9626

Monochromacy



Original Color

20.1198, 19.7817, 69.7757

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.2317, 13.7023, 27.5913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1198, 19.7817, 69.7757 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, 125, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 219)  
}
```

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, 125, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 219) }
```

Border

The CSS property to change the border of an element to XYZ 20.1198, 19.7817, 69.7757 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, 125, 219) }
```


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

```
.border{ border-color:rgb(0, 125, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 125, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 125, 219); box-shadow:4px 4px 4px 4px rgb(0, 125, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1198, 19.7817, 69.7757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 219) }
```

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

```
.background{ background-color: rgb(0, 125,  
219) }
```

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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