

Converting Colors

XYZ(20.0782, 19.1982, 67.0920)

Have a look what the booklet for
XYZ(20.0782, 19.1982, 67.0920)
contains.

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Color

**XYZ(20.1003, 19.2765,
66.9513)**

Conversions

Conversions Part 1

Format	Color
Hex	287AD7
RGB	40, 122, 215
RGB Percent	16%, 48%, 84%
CMY	0.8431, 0.5216, 0.1569
CMYK	0.81, 0.43, 0.00, 0.16
HSL	212°, 69%, 50%
HSV	212°, 81%, 84%
XYZ	20.1003, 19.2765, 66.9513
YIQ	108.0840, -78.7250, 11.5390

Conversions

Conversions Part 2

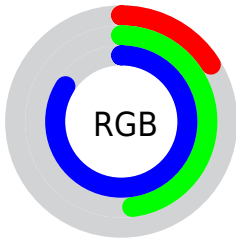
Format	Color
RYB	40, 96, 215
Decimal	2652887
CIELab	51.01, 9.06, -54.54
CIELCh	51, 55.285, 279.431
Yxy	19.2765, 0.1890, 0.1813
Android (android.graphics.Color)	4280842967 (0xFF287AD7)
YUV	108.0840, 52.7096, -59.7097
Hunter-Lab	43.9050, 4.8859, -59.6786

Details

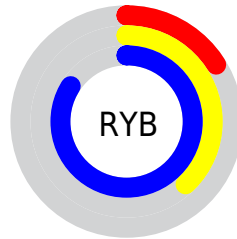
The XYZ color **20.1003, 19.2765, 66.9513** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **36.7972, 31.3794, 6.1262**, and the grayscale version is **14.1516, 14.8886, 16.2137**.

A 20% lighter version of the original color is **40.1255, 41.0695, 100.4201**, and **8.7068, 7.4008, 33.7705** is the 20% darker color. If you saturate the color by 10%, you get **18.1631, 16.3162, 66.4824**, and if you desaturate by 10%, it is **22.6683, 22.8073, 67.4979**.

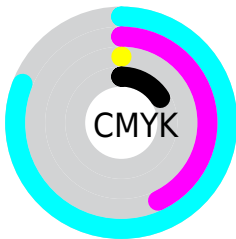
Distribution



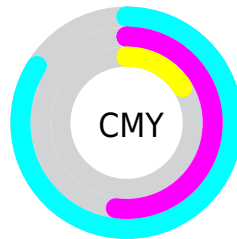
- Red (16%)
- Green (48%)
- Blue (84%)



- Red (16%)
- Yellow (38%)
- Blue (84%)



- Cyan (81%)
- Magenta (43%)
- Yellow (0%)
- Black (16%)



- Cyan (84%)
- Magenta (52%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1003, 19.2765, 66.9513 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 20.1003, 19.2765, 66.9513 by changing the saturation by 10% instead.

■ 20.1003, 19.2765,
66.9513

■ 20.1003, 19.2765,
66.9513

245.2808,
247.9710, 468.2682

■ 12.5767, 11.8702,
48.5837

■ 43.0879, 42.2008,
116.4906

■ 7.2127, 6.6554,
33.9261

■ 59.2827, 58.4876,
148.4994

■ 3.6430, 3.2475,
22.5599

■ 79.0984, 78.5034,
185.8923

■ 1.5022, 1.2623,
14.0667

■ 102.9006,
102.6326, 229.0880

■ 0.3273, 0.1117,
8.0278

■ 131.0546,
131.2596, 278.5048

■ 0.0000, 0.0000,
4.0247

163.9257,

■ 0.0000, 0.0000,

164.7687, 334.5615

1.6389

201.8794,
203.5443, 397.6764

■ 0.0000, 0.0000,
0.3184

■ 0.0000, 0.0000,
0.0000

■ 20.1003, 19.2765,
66.9513

■ 20.1003, 19.2765,
66.9513

■ 18.1631, 16.3162,
66.4824

■ 22.6683, 22.8073,
67.4979

■ 16.8938, 14.1622,
66.1336

■ 25.9376, 26.9523,
68.1257

■ 29.9704, 31.7516,
68.8395

■ 34.8209, 37.2405,
69.6433

■ 40.5380, 43.4511,
70.5407

■ 47.1664, 50.4133,
71.5352

■ 54.7475, 58.1550,
72.6300

■ 63.3201, 66.7026,
73.8280

■ 72.9207, 76.0811,
75.1322

Harmonies

Analogous

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



14.8684, 19.2765, 63.7247



20.1003, 19.2765, 66.9513



25.8493, 19.2765, 53.9231

Triad

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



20.1003, 19.2765, 66.9513



27.7085, 19.2765, 7.0785



10.1314, 19.2765, 12.0828

Complementary

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



20.1003, 19.2765, 66.9513



36.7972, 31.3794, 6.1262

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.



12.4189, 19.2765, 5.2581



20.1003, 19.2765, 66.9513



22.2722, 19.2765, 3.5300

Square

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



20.1003, 19.2765, 66.9513



30.7834, 19.2765, 16.4286



16.6513, 19.2765, 3.0886



9.7795, 19.2765, 26.3233

Rectangle

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



20.1003, 19.2765, 66.9513



28.9553, 19.2765, 40.3444



16.6513, 19.2765, 3.0886



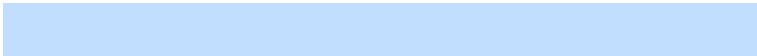
10.6740, 19.2765, 9.0918

Sweetspot

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



20.1011, 19.2771, 66.9518



66.4942, 71.1577, 104.8379



29.2340, 50.6757, 29.5092



13.4778, 14.4387, 22.3266



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.



20.1011, 19.2771, 66.9518



25.0962, 21.2177, 97.3805



14.0185, 6.9370, 64.8905



12.2175, 12.9584, 15.7948



10.2086, 8.6790, 39.5903



0.6982, 0.6884, 2.4154

Inverse Universe

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



32.2967, 17.3709, 20.0634



44.8197, 22.7805, 20.5077



51.8595, 62.7641, 11.3902



12.6630, 12.5167, 14.1655



18.2117, 9.2210, 8.4188



1.1401, 0.5728, 0.7269

Previews

White Background



This preview shows how the XYZ color 20.1003, 19.2765, 66.9513 looks on a white background.

Color Contrast Check

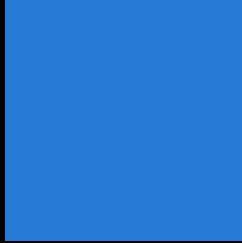
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1003, 19.2765, 66.9513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

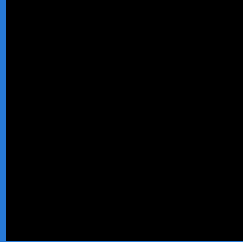
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1003, 19.2765, 66.9513

Background



This preview shows how black text looks on a background with the XYZ color 20.1003, 19.2765, 66.9513.



This preview shows how white text looks on a background with the XYZ color 20.1003, 19.2765,

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

20.1003, 19.2765, 66.9513

Protanopia

21.4608, 19.3223, 64.2265

Deuteranopia

19.9444, 19.3793, 66.9794



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

20.1003, 19.2765, 66.9513

Protanomaly

20.6605, 19.0709, 64.8795

Deuteranomaly

20.0418, 19.4295, 66.9839

Tritanomaly

15.4353, 18.9691, 40.8781

Monochromacy



Original Color

20.1003, 19.2765, 66.9513

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.7389, 15.7558, 29.8681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1003, 19.2765, 66.9513 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(40, 122, 215)` looks like.

```
.text, #text, p{  
    color:rgb(40, 122, 215)  
}
```

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(40, 122, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 122, 215) }
```

Border

The CSS property to change the border of an element to XYZ 20.1003, 19.2765, 66.9513 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(40, 122, 215) }
```


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

```
.border{ border-color:rgb(40, 122, 215) }
```

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

Here you see how a box with a 4 pixel rgb(40, 122, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 122, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 122, 215);  
box-shadow:4px 4px 4px 4px rgb(40, 122,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1003, 19.2765, 66.9513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 122, 215) }
```

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

```
.background{ background-color: rgb(40, 122,  
215) }
```

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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