

Converting Colors

XYZ(20.1551, 19.2128, 67.7197)

Have a look what the booklet for
XYZ(20.1551, 19.2128, 67.7197)
contains.

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Color

**XYZ(20.1909, 19.3083,
67.6284)**

Conversions

Conversions Part 1

Format	Color
Hex	277AD8
RGB	39, 122, 216
RGB Percent	15%, 48%, 85%
CMY	0.8470, 0.5216, 0.1529
CMYK	0.82, 0.44, 0.00, 0.15
HSL	212°, 69%, 50%
HSV	212°, 82%, 85%
XYZ	20.1909, 19.3083, 67.6284
YIQ	107.8990, -79.6420, 11.6380

Conversions

Conversions Part 2

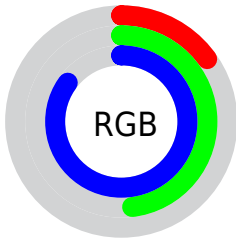
Format	Color
R _Y B	39, 96, 216
Decimal	2587352
CIE Lab	51.05, 9.35, -55.05
CIE LCh	51, 55.834, 279.637
Yxy	19.3083, 0.1885, 0.1802
Android (android.graphics.Color)	4280777432 (0xFF277AD8)
YUV	107.8990, 53.2938, -60.4244
Hunter-Lab	43.9412, 5.1233, -60.4923

Details

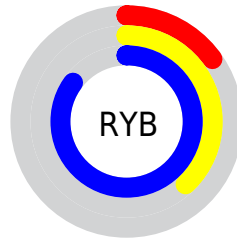
The XYZ color **20.1909, 19.3083, 67.6284** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **37.0753, 31.5251, 6.0518**, and the grayscale version is **14.0988, 14.8330, 16.1531**.

A 20% lighter version of the original color is **39.9961, 41.0028, 100.4141**, and **8.7939, 7.4356, 34.2294** is the 20% darker color. If you saturate the color by 10%, you get **18.2666, 16.3473, 67.1587**, and if you desaturate by 10%, it is **22.7482, 22.8428, 68.1763**.

Distribution



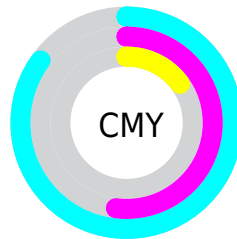
- Red (15%)
- Green (48%)
- Blue (85%)



- Red (15%)
- Yellow (38%)
- Blue (85%)



- Cyan (82%)
- Magenta (44%)
- Yellow (0%)
- Black (15%)



- Cyan (85%)
- Magenta (52%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1909, 19.3083, 67.6284 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 20.1909, 19.3083, 67.6284 by changing the saturation by 10% instead.

■ 20.1909, 19.3083,
67.6284

■ 20.1909, 19.3083,
67.6284

245.7606,
248.1455, 470.7406

■ 12.6430, 11.8933,
49.1307

■ 43.2385, 42.2544,
117.4696

■ 7.2584, 6.6710,
34.3568

■ 59.4689, 58.5543,
149.6501

■ 3.6720, 3.2572,
22.8883

■ 79.3241, 78.5845,
187.2286

■ 1.5183, 1.2675,
14.3065

■ 103.1696,
102.7296, 230.6237

■ 0.3382, 0.1158,
8.1930

■ 131.3706,
131.3738, 280.2539

■ 0.0000, 0.0000,
4.1291

164.2925,

■ 0.0000, 0.0000,

164.9016, 336.5378

1.6965

202.3008,
203.6974, 399.8938

■ 0.0000, 0.0000,
0.3583

■ 0.0000, 0.0000,
0.0000

■ 20.1909, 19.3083,
67.6284

■ 20.1909, 19.3083,
67.6284

■ 18.2666, 16.3473,
67.1587

■ 22.7482, 22.8428,
68.1763

■ 17.0755, 14.3194,
66.8301

■ 26.0104, 26.9956,
68.8059

■ 30.0411, 31.8074,
69.5222

■ 34.8955, 37.3139,
70.3293

■ 40.6232, 43.5480,
71.2307

■ 47.2696, 50.5400,
72.2300

■ 54.8767, 58.3181,
73.3303

■ 63.4840, 66.9090,
74.5349

■ 73.1285, 76.3380,
75.8466

Harmonies

Analogous

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



14.8940, 19.3083, 64.4674



20.1909, 19.3083, 67.6284



26.0082, 19.3083, 54.2912

Triad

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



20.1909, 19.3083, 67.6284



27.8226, 19.3083, 6.9630



10.0770, 19.3083, 12.1051

Complementary

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



20.1909, 19.3083, 67.6284



37.0753, 31.5251, 6.0518

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.



12.3684, 19.3083, 5.2079



20.1909, 19.3083, 67.6284



22.3076, 19.3083, 3.4442

Square

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



20.1909, 19.3083, 67.6284



30.9630, 19.3083, 16.3249



16.6282, 19.3083, 3.0216



9.7358, 19.3083, 26.5468

Rectangle

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



20.1909, 19.3083, 67.6284



29.1449, 19.3083, 40.4872



16.6282, 19.3083, 3.0216



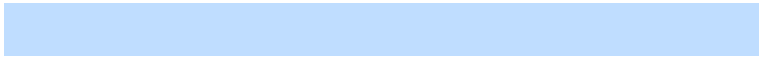
10.6190, 19.3083, 9.0786

Sweetspot

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



20.1917, 19.3089, 67.6289



65.4925, 70.1163, 104.6897



29.4535, 51.1677, 29.6048



13.2843, 14.2356, 22.2975



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.



20.1917, 19.3089, 67.6289



25.1070, 21.2392, 97.3840



14.0743, 6.9016, 65.5565



12.2179, 12.9592, 15.7949



10.2130, 8.6877, 39.5918



0.6984, 0.6889, 2.4155

Inverse Universe

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



32.5581, 17.4563, 20.0661



44.8252, 22.7826, 20.5362



52.3778, 63.4124, 11.4001



12.6632, 12.5168, 14.1665



18.2139, 9.2219, 8.4304



1.1402, 0.5729, 0.7276

Previews

White Background



This preview shows how the XYZ color 20.1909, 19.3083, 67.6284 looks on a white background.

Color Contrast Check

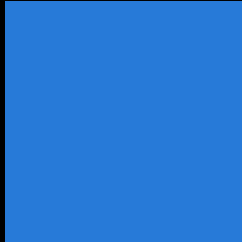
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1909, 19.3083, 67.6284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

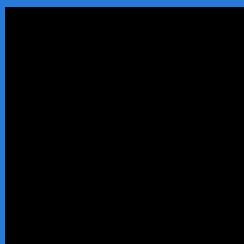
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

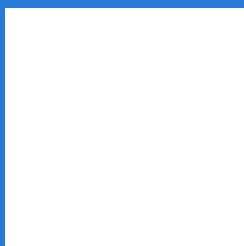
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1909, 19.3083, 67.6284

Background



This preview shows how black text looks on a background with the XYZ color 20.1909, 19.3083, 67.6284.



This preview shows how white text looks on a background with the XYZ color 20.1909, 19.3083,

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

20.1909, 19.3083, 67.6284

Protanopia

21.5040, 19.3300, 64.8850

Deuteranopia

19.9565, 19.3707, 67.6528



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

20.1909, 19.3083, 67.6284

Protanomaly

20.7214, 19.0877, 65.5430

Deuteranomaly

20.0733, 19.4309, 67.6583

Tritanomaly

15.4194, 18.9609, 40.8773

Monochromacy



Original Color

20.1909, 19.3083, 67.6284

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 20.1909, 19.3083, 67.6284 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(39, 122, 216)` looks like.

```
.text, #text, p{  
    color:rgb(39, 122, 216)  
}
```

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(39, 122, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 122, 216) }
```

Border

The CSS property to change the border of an element to XYZ 20.1909, 19.3083, 67.6284 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(39, 122, 216) }
```


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

```
.border{ border-color:rgb(39, 122, 216) }
```

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

Here you see how a box with a 4 pixel rgb(39, 122, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 122, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 122, 216);  
box-shadow:4px 4px 4px 4px rgb(39, 122,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1909, 19.3083, 67.6284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 122, 216) }
```

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

```
.background{ background-color: rgb(39, 122,  
216) }
```

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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