

Converting Colors

XYZ(20.6272, 19.1001, 72.2411)

Have a look what the booklet for
XYZ(20.6272, 19.1001, 72.2411)
contains.

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Color

**XYZ(20.6314, 19.0677,
72.4051)**

Conversions

Conversions Part 1

Format	Color
Hex	2078DF
RGB	32, 120, 223
RGB Percent	13%, 47%, 87%
CMY	0.8744, 0.5294, 0.1255
CMYK	0.86, 0.46, 0.00, 0.13
HSL	212°, 75%, 50%
HSV	212°, 86%, 87%
XYZ	20.6314, 19.0677, 72.4051
YIQ	105.4300, -85.5110, 13.3770

Conversions

Conversions Part 2

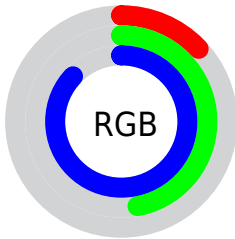
Format	Color
R_{YB}	32, 92, 223
Decimal	2128095
CIE _{Lab}	50.77, 12.71, -59.45
CIE _{LCh}	51, 60.797, 282.064
Yxy	19.0677, 0.1840, 0.1701
Android (android.graphics.Color)	4280318175 (0xFF2078DF)
YUV	105.4300, 57.9620, -64.3981
Hunter-Lab	43.6666, 7.9204, -67.7442

Details

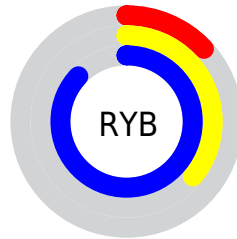
The XYZ color **20.6314, 19.0677, 72.4051** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **39.3598, 33.1267, 5.6877**, and the grayscale version is **13.4100, 14.1084, 15.3641**.

A 20% lighter version of the original color is **39.4846, 40.1698, 100.2802**, and **9.3576, 7.5551, 37.5243** is the 20% darker color. If you saturate the color by 10%, you get **18.8008, 16.1100, 71.9311**, and if you desaturate by 10%, it is **23.1131, 22.6310, 72.9625**.

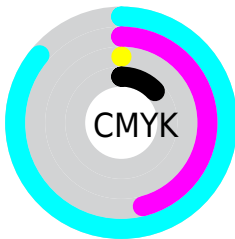
Distribution



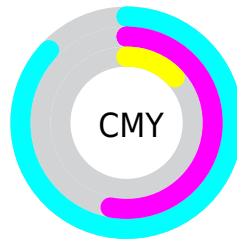
- Red (13%)
- Green (47%)
- Blue (87%)



- Red (13%)
- Yellow (36%)
- Blue (87%)



- Cyan (86%)
- Magenta (46%)
- Yellow (0%)
- Black (13%)



- Cyan (87%)
- Magenta (53%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6314, 19.0677, 72.4051 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 20.6314, 19.0677, 72.4051 by changing the saturation by 10% instead.

■ 20.6314, 19.0677,
72.4051

■ 20.6314, 19.0677,
72.4051

248.0820,
246.8222, 487.9658

■ 12.9658, 11.7192,
53.0008

■ 43.9692, 41.8485,
124.3454

■ 7.4818, 6.5528,
37.4157

■ 60.3720, 58.0495,
157.7184

■ 3.8142, 3.1840,
25.2312

■ 80.4180, 77.9702,
196.5848

■ 1.5976, 1.2285,
16.0288

■ 104.4724,
101.9950, 241.3631

■ 0.3908, 0.0848,
9.3900

■ 132.9007,
130.5082, 292.4718

■ 0.0000, 0.0000,
4.8961

166.0681,

■ 0.0000, 0.0000,

163.8942, 350.3294

2.1288

204.3401,
202.5374, 415.3546

■ 0.0000, 0.0000,
0.6328

■ 0.0000, 0.0000,
0.0000

■ 20.6314, 19.0677,
72.4051

■ 20.6314, 19.0677,
72.4051

■ 18.8008, 16.1100,
71.9311

■ 23.1131, 22.6310,
72.9625

■ 18.1428, 14.9746,
71.7467

■ 26.3311, 26.8529,
73.6079

■ 30.3587, 31.7804,
74.3467

■ 35.2585, 37.4542,
75.1836

■ 41.0865, 43.9115,
76.1228

■ 47.8935, 51.1865,
77.1682

■ 55.7267, 59.3108,
78.3235

■ 64.6298, 68.3146,
79.5922

■ 74.6439, 78.2260,
80.9775

Harmonies

Analogous

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



14.8112, 19.0677, 70.4176



20.6314, 19.0677, 72.4051



26.9589, 19.0677, 56.0099

Triad

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



20.6314, 19.0677, 72.4051



28.0578, 19.0677, 5.6013



9.2447, 19.0677, 12.1894

Complementary

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



20.6314, 19.0677, 72.4051



39.3598, 33.1267, 5.6877

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.



11.4659, 19.0677, 4.6641



20.6314, 19.0677, 72.4051



21.8956, 19.0677, 2.5568

Square

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



20.6314, 19.0677, 72.4051



31.8360, 19.0677, 14.6174



15.8271, 19.0677, 2.3469



9.0516, 19.0677, 28.4233

Rectangle

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



20.6314, 19.0677, 72.4051



30.2826, 19.0677, 40.3002



15.8271, 19.0677, 2.3469



9.7518, 19.0677, 8.8491

Sweetspot

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



20.6323, 19.0682, 72.4056



64.3567, 68.7901, 104.4936



31.2787, 54.8010, 31.4385



13.0585, 13.9647, 22.2571



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.



20.6323, 19.0682, 72.4056



24.4663, 20.0526, 97.1888



14.6502, 6.7815, 70.3493



13.4697, 14.2786, 17.4338



10.7780, 9.0257, 42.2224



0.8359, 0.8032, 2.9562

Inverse Universe

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



34.3389, 18.0784, 19.4491



44.4787, 22.5555, 18.9846



55.1557, 67.5759, 11.5045



13.9686, 13.8051, 15.6047



19.3805, 9.8192, 8.6692



1.3882, 0.6985, 0.8370

Previews

White Background



This preview shows how the XYZ color 20.6314, 19.0677, 72.4051 looks on a white background.

Color Contrast Check

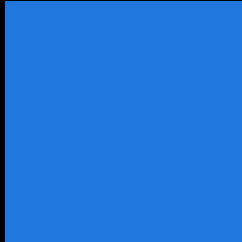
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6314, 19.0677, 72.4051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

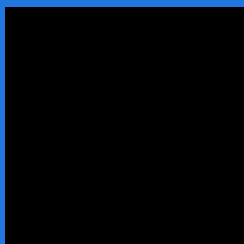
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

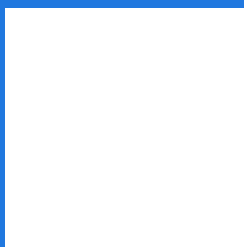
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6314, 19.0677, 72.4051

Background



This preview shows how black text looks on a background with the XYZ color 20.6314, 19.0677, 72.4051.



This preview shows how white text looks on a background with the XYZ color 20.6314, 19.0677,

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

20.6314, 19.0677, 72.4051

Protanopia

21.6635, 19.1188, 70.2587

Deuteranopia

19.3542, 18.8769, 67.5893



Tritanopia

13.3455, 18.7582, 28.9039

Trichromacy



Original Color

20.6314, 19.0677, 72.4051

Protanomaly

21.1051, 18.9895, 70.9596

Deuteranomaly

19.7752, 18.8674, 69.6173

Tritanomaly

15.3172, 18.4951, 41.7923

Monochromacy



Original Color

20.6314, 19.0677, 72.4051

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.0631, 14.9097, 30.1536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6314, 19.0677, 72.4051 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(32, 120, 223)` looks like.

```
.text, #text, p{  
    color:rgb(32, 120, 223)  
}
```

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(32, 120, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 120, 223) }
```

Border

The CSS property to change the border of an element to XYZ 20.6314, 19.0677, 72.4051 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(32, 120, 223) }
```


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

```
.border{ border-color:rgb(32, 120, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 120, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 120, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 120, 223);  
box-shadow:4px 4px 4px 4px rgb(32, 120,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6314, 19.0677, 72.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 120, 223) }
```

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

```
.background{ background-color: rgb(32, 120,  
223) }
```

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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