

Converting Colors

XYZ(20.8926, 19.6409, 72.2901)

Have a look what the booklet for
XYZ(20.8926, 19.6409, 72.2901)
contains.

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Color

**XYZ(20.8745, 19.5539,
72.4861)**

Conversions

Conversions Part 1

Format	Color
Hex	207ADF
RGB	32, 122, 223
RGB Percent	13%, 48%, 87%
CMY	0.8744, 0.5216, 0.1255
CMYK	0.86, 0.45, 0.00, 0.13
HSL	212°, 75%, 50%
HSV	212°, 86%, 87%
XYZ	20.8745, 19.5539, 72.4861
YIQ	106.6040, -86.0610, 12.3310

Conversions

Conversions Part 2

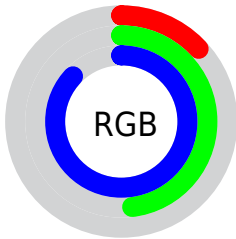
Format	Color
RYB	32, 93, 223
Decimal	2128607
CIELab	51.33, 11.46, -58.55
CIELCh	51, 59.660, 281.071
Yxy	19.5539, 0.1849, 0.1732
Android (android.graphics.Color)	4280318687 (0xFF207ADF)
YUV	106.6040, 57.3832, -65.4277
Hunter-Lab	44.2198, 6.8785, -66.2357

Details

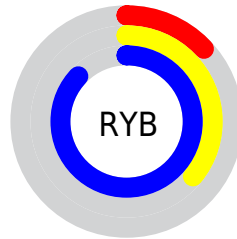
The XYZ color **20.8745, 19.5539, 72.4861** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **39.0832, 32.5736, 5.5955**, and the grayscale version is **13.7316, 14.4467, 15.7324**.

A 20% lighter version of the original color is **39.8681, 40.9368, 100.4081**, and **9.4238, 7.6876, 37.5464** is the 20% darker color. If you saturate the color by 10%, you get **19.0394, 16.5871, 72.0106**, and if you desaturate by 10%, it is **23.3548, 23.1144, 73.0431**.

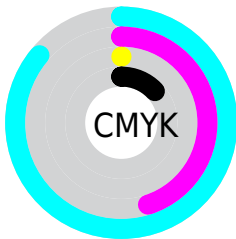
Distribution



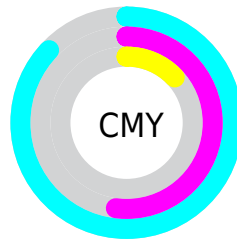
- Red (13%)
- Green (48%)
- Blue (87%)



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



- Cyan (86%)
- Magenta (45%)
- Yellow (0%)
- Black (13%)



- Cyan (87%)
- Magenta (52%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8745, 19.5539, 72.4861 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 20.8745, 19.5539, 72.4861 by changing the saturation by 10% instead.

■ 20.8745, 19.5539,
72.4861

■ 20.8745, 19.5539,
72.4861

249.3551,
249.4898, 488.2547

■ 13.1442, 12.0712,
53.0666

■ 44.3714, 42.6680,
124.4615

■ 7.6056, 6.7922,
37.4678

■ 60.8688, 59.0682,
157.8545

■ 3.8933, 3.3325,
25.2713

■ 81.0192, 79.2096,
196.7425

■ 1.6420, 1.3077,
16.0584

■ 105.1881,
103.4767, 241.5438

■ 0.4195, 0.1471,
9.4107

■ 133.7408,
132.2539, 292.6772

■ 0.0000, 0.0000,
4.9096

167.0426,

■ 0.0000, 0.0000,

165.9255, 350.5611

2.1365

205.4590,
204.8760, 415.6141

■ 0.0000, 0.0000,
0.6374

■ 0.0000, 0.0000,
0.0000

■ 20.8745, 19.5539,
72.4861

■ 20.8745, 19.5539,
72.4861

■ 19.0394, 16.5871,
72.0106

■ 23.3548, 23.1144,
73.0431

■ 18.3776, 15.4443,
71.8249

■ 26.5650, 27.3208,
73.6858

■ 30.5781, 32.2192,
74.4198

■ 35.4563, 37.8499,
75.2495

■ 41.2552, 44.2491,
76.1790

■ 48.0255, 51.4503,
77.2122

■ 55.8138, 59.4850,
78.3525

■ 64.6637, 68.3823,
79.6034

■ 74.6159, 78.1700,
80.9681

Harmonies

Analogous

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



15.1097, 19.5539, 69.8832



20.8745, 19.5539, 72.4861



27.1788, 19.5539, 56.8649

Triad

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



20.8745, 19.5539, 72.4861



28.6348, 19.5539, 6.1866



9.7149, 19.5539, 12.3190

Complementary

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



20.8745, 19.5539, 72.4861



39.0832, 32.5736, 5.5955

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.



12.0262, 19.5539, 4.8935



20.8745, 19.5539, 72.4861



22.5570, 19.5539, 2.8889

Square

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



20.8745, 19.5539, 72.4861



32.2560, 19.5539, 15.5888



16.4701, 19.5539, 2.5922



9.4535, 19.5539, 28.2372

Rectangle

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



20.8745, 19.5539, 72.4861



30.5304, 19.5539, 41.4440



16.4701, 19.5539, 2.5922



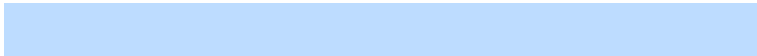
10.2503, 19.5539, 9.0325

Sweetspot

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



20.8754, 19.5545, 72.4866



64.5386, 69.1538, 104.5542



31.0603, 54.7136, 30.2881



13.1014, 14.0504, 22.2714



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.



20.8754, 19.5545, 72.4866



24.7836, 20.6871, 97.2945



14.5366, 6.7229, 70.3440



13.4819, 14.3029, 17.4378



10.9170, 9.3035, 42.2687



0.8458, 0.8231, 2.9595

Inverse Universe

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



34.4616, 18.1275, 20.0953



44.6388, 22.6195, 19.8278



56.1089, 68.0673, 11.5492



13.9747, 13.8075, 15.6369



19.4506, 9.8472, 9.0385



1.3932, 0.7005, 0.8633

Previews

White Background



This preview shows how the XYZ color 20.8745, 19.5539, 72.4861 looks on a white background.

Color Contrast Check

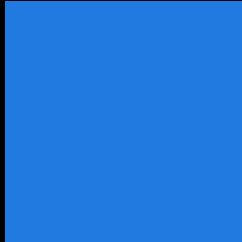
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8745, 19.5539, 72.4861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

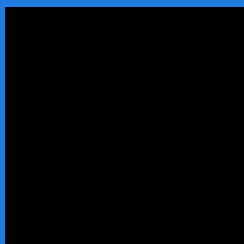
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

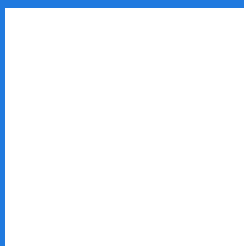
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8745, 19.5539, 72.4861

Background



This preview shows how black text looks on a background with the XYZ color 20.8745, 19.5539, 72.4861.



This preview shows how white text looks on a background with the XYZ color 20.8745, 19.5539,

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

20.8745, 19.5539, 72.4861

Protanopia

21.9371, 19.4491, 69.6157

Deuteranopia

19.9938, 19.5298, 69.7337



Tritanopia

13.6980, 19.3416, 29.3969

Trichromacy



Original Color

20.8745, 19.5539, 72.4861

Protanomaly

21.2024, 19.2308, 70.3046

Deuteranomaly

20.1528, 19.4114, 70.3947

Tritanomaly

15.6771, 19.0606, 42.3879

Monochromacy



Original Color

20.8745, 19.5539, 72.4861

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.5273, 15.4637, 30.6529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8745, 19.5539, 72.4861 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, 122, 223)` looks like.

```
.text, #text, p{  
    color:rgb(32, 122, 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, 122, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 122, 223) }
```

Border

The CSS property to change the border of an element to XYZ 20.8745, 19.5539, 72.4861 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, 122, 223) }
```


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

```
.border{ border-color:rgb(32, 122, 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, 122, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 122, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 122, 223);  
box-shadow:4px 4px 4px 4px rgb(32, 122,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8745, 19.5539, 72.4861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 122, 223) }
```

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

```
.background{ background-color: rgb(32, 122,  
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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