

Converting Colors

XYZ(20.8992, 19.8799, 68.9090)

Have a look what the booklet for
XYZ(20.8992, 19.8799, 68.9090)
contains.

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Color

**XYZ(20.9101, 19.8322,
69.0556)**

Conversions

Conversions Part 1

Format	Color
Hex	2F7BDA
RGB	47, 123, 218
RGB Percent	18%, 48%, 85%
CMY	0.8156, 0.5176, 0.1451
CMYK	0.78, 0.44, 0.00, 0.15
HSL	213°, 70%, 52%
HSV	213°, 78%, 85%
XYZ	20.9101, 19.8322, 69.0556
YIQ	111.1060, -75.7910, 13.4330

Conversions

Conversions Part 2

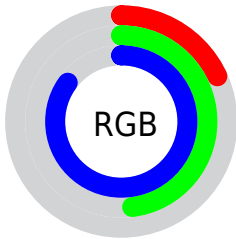
Format	Color
R _Y B	47, 100, 218
Decimal	3111898
CIE Lab	51.65, 10.26, -55.20
CIE LCh	52, 56.146, 280.527
Yxy	19.8322, 0.1904, 0.1806
Android (android.graphics.Color)	4281301978 (0xFF2F7BDA)
YUV	111.1060, 52.6987, -56.2210
Hunter-Lab	44.5334, 5.8791, -60.7646

Details

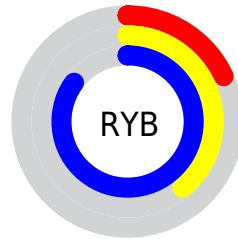
The XYZ color **20.9101, 19.8322, 69.0556** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **39.1020, 34.4608, 7.2814**, and the grayscale version is **15.0092, 15.7909, 17.1963**.

A 20% lighter version of the original color is **40.8512, 41.7315, 100.5096**, and **9.0377, 7.6408, 35.1809** is the 20% darker color. If you saturate the color by 10%, you get **18.7335, 16.6160, 68.5500**, and if you desaturate by 10%, it is **23.7757, 23.6799, 69.6477**.

Distribution



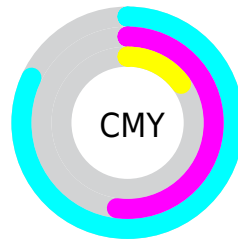
- Red (18%)
- Green (48%)
- Blue (85%)



- Red (18%)
- Yellow (39%)
- Blue (85%)



- Cyan (78%)
- Magenta (44%)
- Yellow (0%)
- Black (15%)



- Cyan (82%)
- Magenta (52%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9101, 19.8322, 69.0556 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 20.9101, 19.8322, 69.0556 by changing the saturation by 10% instead.

■ 20.9101, 19.8322,
69.0556

■ 20.9101, 19.8322,
69.0556

249.5411,
251.0053, 475.9263

■ 13.1704, 12.2731,
50.2850

■ 44.4303, 43.1357,
119.5294

■ 7.6238, 6.9300,
35.2671

■ 60.9414, 59.6489,
152.0697

■ 3.9049, 3.4183,
23.5835

■ 81.1072, 79.9156,
190.0369

■ 1.6485, 1.3538,
14.8156

■ 105.2927,
104.3201, 233.8497

■ 0.4237, 0.1823,
8.5449

■ 133.8636,
133.2470, 283.9264

■ 0.0000, 0.0000,
4.3528

167.1850,

■ 0.0000, 0.0000,

167.0806, 340.6857

1.8208

205.6224,
206.2052, 404.5462

■ 0.0000, 0.0000,
0.4416

■ 0.0000, 0.0000,
0.0000

■ 20.9101, 19.8322,
69.0556

■ 20.9101, 19.8322,
69.0556

■ 18.7335, 16.6160,
68.5500

■ 23.7757, 23.6799,
69.6477

■ 17.1384, 13.9655,
68.1225

■ 27.4001, 28.2040,
70.3299

■ 16.9186, 13.5893,
68.0614

■ 31.8460, 33.4463,
71.1075

■ 37.1684, 39.4436,
71.9845

■ 43.4174, 46.2301,
72.9651

■ 50.6386, 53.8374,
74.0529

■ 58.8749, 62.2952,
75.2513

■ 68.1661, 71.6315,
76.5637

■ 78.5502, 81.8731,
77.9932

Harmonies

Analogous

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



15.4479, 19.8322, 66.3586



20.9101, 19.8322, 69.0556



26.8480, 19.8322, 55.0297

Triad

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



20.9101, 19.8322, 69.0556



28.3973, 19.8322, 7.0074



10.3347, 19.8322, 12.7768

Complementary

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



20.9101, 19.8322, 69.0556



39.1020, 34.4608, 7.2814

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.



12.6226, 19.8322, 5.5053



20.9101, 19.8322, 69.0556



22.7180, 19.8322, 3.5176

Square

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



20.9101, 19.8322, 69.0556



31.7105, 19.8322, 16.3828



16.9297, 19.8322, 3.1553



10.0430, 19.8322, 27.8071

Rectangle

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



20.9101, 19.8322, 69.0556



30.0078, 19.8322, 40.8590



16.9297, 19.8322, 3.1553



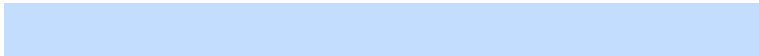
10.8704, 19.8322, 9.5974

Sweetspot

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



20.9110, 19.8328, 69.0561



66.1026, 70.3745, 104.7074



31.0564, 52.6726, 33.7513



13.3843, 14.2519, 22.2954



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.



20.9110, 19.8328, 69.0561



25.1898, 21.1999, 97.3721



15.2786, 7.9243, 67.0544



12.8126, 13.5650, 16.5951



10.2397, 8.3488, 40.8102



0.7484, 0.7109, 2.6722

Inverse Universe

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



33.5059, 18.3697, 20.5189



44.9170, 23.0110, 20.4293



52.0073, 63.9697, 12.2970



13.2953, 13.1472, 14.8162



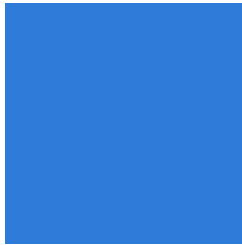
18.6638, 9.4666, 7.8758



1.2521, 0.6305, 0.7363

Previews

White Background



This preview shows how the XYZ color 20.9101, 19.8322, 69.0556 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 20.9101, 19.8322, 69.0556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

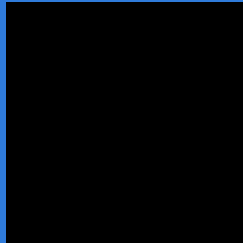
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

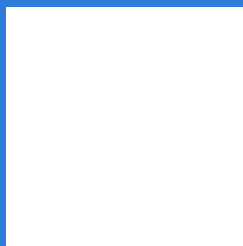
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9101, 19.8322, 69.0556

Background



This preview shows how black text looks on a background with the XYZ color 20.9101, 19.8322, 69.0556.



This preview shows how white text looks on a background with the XYZ color 20.9101, 19.8322,

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

20.9101, 19.8322, 69.0556

Protanopia

21.9589, 19.7110, 66.2656

Deuteranopia

20.4582, 19.7843, 69.0702



Tritanopia

13.9925, 19.6836, 30.2560

Trichromacy



Original Color

20.9101, 19.8322, 69.0556

Protanomaly

21.2970, 19.5325, 66.9377

Deuteranomaly

20.6255, 19.8706, 69.0780

Tritanomaly

15.7939, 19.3303, 41.9284

Monochromacy



Original Color

20.9101, 19.8322, 69.0556

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.6603, 16.5382, 31.2210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9101, 19.8322, 69.0556 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(47, 123, 218)` looks like.

```
.text, #text, p{  
    color:rgb(47, 123, 218)  
}
```

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(47, 123, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 123, 218) }
```

Border

The CSS property to change the border of an element to XYZ 20.9101, 19.8322, 69.0556 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(47, 123, 218) }
```


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

```
.border{ border-color:rgb(47, 123, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 123, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 123, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 123, 218);  
box-shadow:4px 4px 4px 4px rgb(47, 123,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9101, 19.8322, 69.0556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 123, 218) }
```

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

```
.background{ background-color: rgb(47, 123,  
218) }
```

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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