

Converting Colors

XYZ(18.2369, 20.7567, 34.4978)

Have a look what the booklet for
XYZ(18.2369, 20.7567, 34.4978)
contains.

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Color

**XYZ(18.2369, 20.7567,
34.4978)**

Conversions

Conversions Part 1

Format	Color
Hex	59839C
RGB	89, 131, 156
RGB Percent	35%, 51%, 61%
CMY	0.6510, 0.4863, 0.3882
CMYK	0.43, 0.16, 0.00, 0.39
HSL	202°, 27%, 48%
HSV	202°, 43%, 61%
XYZ	18.2369, 20.7567, 34.4978
YIQ	121.2920, -33.0570, -1.1290

Conversions

Conversions Part 2

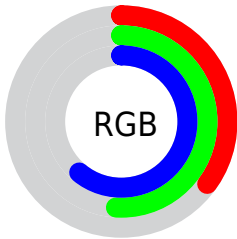
Format	Color
R _Y B	89, 115, 156
Decimal	5866396
CIE Lab	52.68, -7.66, -17.93
CIE LCh	53, 19.495, 246.870
Yxy	20.7567, 0.2482, 0.2824
Android (android.graphics.Color)	4284056476 (0xFF59839C)
YUV	121.2920, 17.1110, -28.3201
Hunter-Lab	45.5595, -8.2779, -13.0029

Details

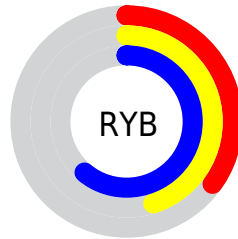
The XYZ color **18.2369, 20.7567, 34.4978** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **21.5314, 19.8245, 12.1437**, and the grayscale version is **18.2230, 19.1720, 20.8783**.

A 20% lighter version of the original color is **40.0537, 44.7349, 68.1517**, and **6.3300, 7.4478, 14.4685** is the 20% darker color. If you saturate the color by 10%, you get **16.1357, 18.5457, 34.1822**, and if you desaturate by 10%, it is **20.7006, 23.2207, 34.8439**.

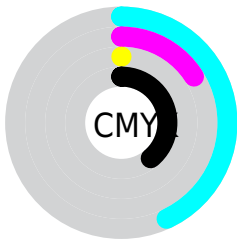
Distribution



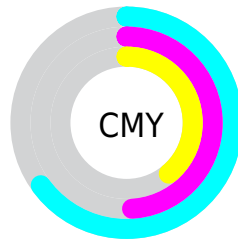
- Red (35%)
- Green (51%)
- Blue (61%)



- Red (35%)
- Yellow (45%)
- Blue (61%)



- Cyan (43%)
- Magenta (16%)
- Yellow (0%)
- Black (39%)



- Cyan (65%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2369, 20.7567, 34.4978 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 18.2369, 20.7567, 34.4978 by changing the saturation by 10% instead.

■ 18.2369, 20.7567,
34.4978

■ 18.2369, 20.7567,
34.4978

235.2228,
255.9827, 337.1827

■ 11.2209, 12.9463,
22.9958

■ 39.9675, 44.6823,
67.8498

■ 6.2840, 7.3916,
14.3852

■ 55.4129, 61.5662,
90.5368

■ 3.0608, 3.7082,
8.2472

■ 74.3987, 82.2434,
117.7894

■ 1.1860, 1.5117,
4.1635

■ 97.2904, 107.0983,
150.0259

■ 0.0953, 0.2969,
1.7155

124.4533,
136.5153, 187.6650

■ 0.0000, 0.0000,
0.3713

156.2528,

■ 0.0000, 0.0000,

170.8787, 231.1251

0.0000

193.0541,
210.5731, 280.8248

■ 18.2369, 20.7567,
34.4978

■ 18.2369, 20.7567,
34.4978

■ 16.1357, 18.5457,
34.1822

■ 20.7006, 23.2207,
34.8439

■ 14.3741, 16.5735,
33.8943

■ 23.5439, 25.9461,
35.2201

■ 12.9295, 14.8278,
33.6335

■ 26.7853, 28.9441,
35.6279

■ 11.7753, 13.2938,
33.3982

■ 30.4412, 32.2240,
36.0683

■ 10.8802, 11.9541,
33.1868

■ 34.5273, 35.7948,
36.5422

■ 10.3491, 11.0968,
33.0494

■ 39.0583, 39.6652,
37.0505

■ 44.0481, 43.8432,
37.5939

■ 49.5101, 48.3367,
38.1734

■ 55.4572, 53.1531,
38.7896

Harmonies

Analogous

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



16.7720, 20.7567, 29.9811



18.2369, 20.7567, 34.4978



20.1985, 20.7567, 35.5924

Triad

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



18.2369, 20.7567, 34.4978



23.8566, 20.7567, 21.2914



17.4813, 20.7567, 14.7953

Complementary

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



18.2369, 20.7567, 34.4978



21.5314, 19.8245, 12.1437

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.



19.2661, 20.7567, 13.2312



18.2369, 20.7567, 34.4978



23.0137, 20.7567, 16.5430

Square

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



18.2369, 20.7567, 34.4978



23.5342, 20.7567, 27.2748



21.2995, 20.7567, 13.8113



16.3571, 20.7567, 18.4933

Rectangle

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



18.2369, 20.7567, 34.4978



21.5431, 20.7567, 34.0912



21.2995, 20.7567, 13.8113



18.0190, 20.7567, 14.0342

Sweetspot

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



18.2376, 20.7575, 34.4983



48.4551, 52.3933, 64.6858



19.0216, 27.1064, 20.0209



10.3813, 11.2720, 14.1989



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.2376, 20.7575, 34.4983



29.2779, 33.6527, 62.0792



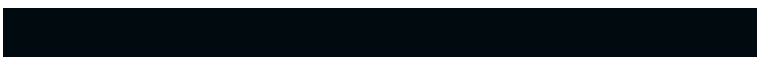
14.4827, 13.2478, 33.2467



6.6136, 7.0931, 8.4272



8.5583, 9.2082, 27.2335



0.1925, 0.2436, 0.5001

Inverse Universe

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



21.3800, 15.8521, 23.4064



36.0007, 24.2532, 38.1041



25.9581, 28.6779, 13.6192



6.7991, 6.7126, 7.7931



13.1180, 6.5518, 10.1386



0.2545, 0.1251, 0.2862

Previews

White Background



This preview shows how the XYZ color 18.2369, 20.7567, 34.4978 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 18.2369, 20.7567, 34.4978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

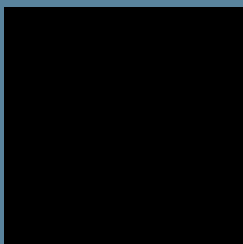
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

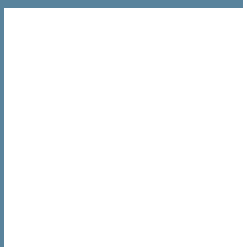
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2369, 20.7567, 34.4978

Background



This preview shows how black text looks on a background with the XYZ color 18.2369, 20.7567, 34.4978.



This preview shows how white text looks on a background with the XYZ color 18.2369, 20.7567,

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

18.2369, 20.7567, 34.4978

Protanopia

20.4013, 20.5716, 32.1736

Deuteranopia

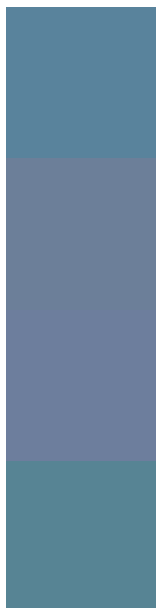
21.1397, 20.6995, 35.2290



Tritanopia

17.2593, 20.7671, 29.4843

Trichromacy



Original Color

18.2369, 20.7567, 34.4978

Protanomaly

19.5235, 20.6668, 33.0971

Deuteranomaly

19.8533, 20.6072, 34.8295

Tritanomaly

17.5270, 20.6669, 31.0823

Monochromacy



Original Color

18.2369, 20.7567, 34.4978

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.9434, 19.6397, 25.3994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2369, 20.7567, 34.4978 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(89, 131, 156) looks like.

```
.text, #text, p{  
    color:rgb(89, 131, 156)  
}
```

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(89, 131, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 131, 156) }
```

Border

The CSS property to change the border of an element to XYZ 18.2369, 20.7567, 34.4978 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(89, 131, 156) }
```


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

```
.border{ border-color:rgb(89, 131, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 131, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 131, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 131, 156);  
box-shadow:4px 4px 4px 4px rgb(89, 131,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2369, 20.7567, 34.4978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 131, 156) }
```

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

```
.background{ background-color: rgb(89, 131,  
156) }
```

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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