

Converting Colors

XYZ(19.0024, 22.6946, 35.0385)

Have a look what the booklet for
XYZ(19.0024, 22.6946, 35.0385)
contains.

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Color

**XYZ(18.9270, 22.5557,
34.8086)**

Conversions

Conversions Part 1

Format	Color
Hex	568A9C
RGB	86, 138, 156
RGB Percent	34%, 54%, 61%
CMY	0.6627, 0.4588, 0.3882
CMYK	0.45, 0.12, 0.00, 0.39
HSL	195°, 29%, 47%
HSV	195°, 45%, 61%
XYZ	18.9270, 22.5557, 34.8086
YIQ	124.5040, -36.7700, -5.4260

Conversions

Conversions Part 2

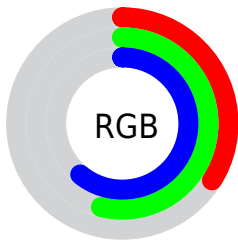
Format	Color
R _Y B	86, 116, 156
Decimal	5671580
CIE Lab	54.61, -12.38, -15.01
CIE LCh	55, 19.458, 230.478
Yxy	22.5557, 0.2481, 0.2957
Android (android.graphics.Color)	4283861660 (0xFF568A9C)
YUV	124.5040, 15.5275, -33.7680
Hunter-Lab	47.4928, -11.9761, -10.2100

Details

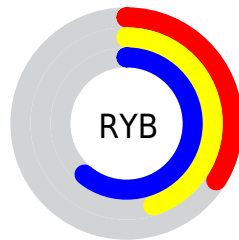
The XYZ color **18.9270, 22.5557, 34.8086** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.3408, 17.6409, 11.1378**, and the grayscale version is **19.2856, 20.2899, 22.0957**.

A 20% lighter version of the original color is **41.0361, 47.4537, 68.6247**, and **6.6352, 8.3064, 14.6182** is the 20% darker color. If you saturate the color by 10%, you get **17.0797, 20.7652, 34.5608**, and if you desaturate by 10%, it is **21.1105, 24.5521, 35.0793**.

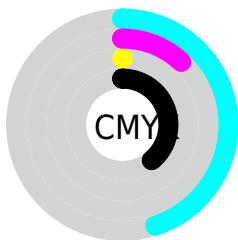
Distribution



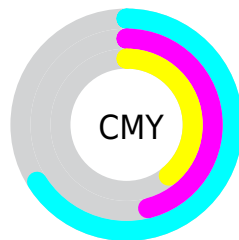
- Red (34%)
- Green (54%)
- Blue (61%)



- Red (34%)
- Yellow (45%)
- Blue (61%)



- Cyan (45%)
- Magenta (12%)
- Yellow (0%)
- Black (39%)



- Cyan (66%)
- Magenta (46%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9270, 22.5557, 34.8086 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 18.9270, 22.5557, 34.8086 by changing the saturation by 10% instead.

■ 18.9270, 22.5557,
34.8086

■ 18.9270, 22.5557,
34.8086

238.9913,
265.4347, 338.6013

■ 11.7212, 14.2658,
23.2331

■ 41.1285, 47.6627,
68.3374

■ 6.6250, 8.3058,
14.5588

■ 56.8550, 65.2487,
91.1277

■ 3.2729, 4.2912,
8.3672

■ 76.1525, 86.7021,
118.4934

■ 1.2997, 1.8378,
4.2397

■ 99.3862, 112.4073,
150.8530

■ 0.1830, 0.5105,
1.7577

126.9216,
142.7488, 188.6250

■ 0.0000, 0.0000,
0.3998

159.1240,

■ 0.0000, 0.0000,

178.1109, 232.2281

0.0000

196.3588,
218.8781, 282.0806

■ 18.9270, 22.5557,
34.8086

■ 18.9270, 22.5557,
34.8086

■ 17.0797, 20.7652,
34.5608

■ 21.1105, 24.5521,
35.0793

■ 15.5456, 19.1669,
34.3331

■ 23.6470, 26.7618,
35.3721

■ 14.3021, 17.7493,
34.1250

■ 26.5548, 29.1951,
35.6885

■ 13.3224, 16.4983,
33.9352

■ 29.8502, 31.8608,
36.0294

■ 12.5731, 15.3962,
33.7620

■ 33.5483, 34.7670,
36.3954

■ 12.2333, 14.8654,
33.6774

■ 37.6638, 37.9215,
36.7874

■ 42.2102, 41.3316,
37.2059

■ 47.2007, 45.0044,
37.6518

■ 52.6478, 48.9467,
38.1257

Harmonies

Analogous

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



17.8128, 22.5557, 28.9137



18.9270, 22.5557, 34.8086



20.7655, 22.5557, 38.0992

Triad

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



18.9270, 22.5557, 34.8086



25.7546, 22.5557, 26.5591



20.0320, 22.5557, 15.0973

Complementary

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



18.9270, 22.5557, 34.8086



20.3408, 17.6409, 11.1378

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.



22.1259, 22.5557, 14.6804



18.9270, 22.5557, 34.8086



25.5256, 22.5557, 20.6657

Square

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



18.9270, 22.5557, 34.8086



24.7692, 22.5557, 32.8408



24.1629, 22.5557, 16.5497



18.4207, 22.5557, 17.8021

Rectangle

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



18.9270, 22.5557, 34.8086



22.1950, 22.5557, 38.0535



24.1629, 22.5557, 16.5497



20.6994, 22.5557, 14.7047

Sweetspot

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



18.9277, 22.5566, 34.8091



49.1474, 53.7779, 64.9166



18.2002, 26.7452, 17.1678



10.5560, 11.6212, 14.2571



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.



18.9277, 22.5566, 34.8091



30.9604, 37.6540, 62.7629



14.7393, 14.1797, 33.4130



6.6774, 7.2205, 8.4484



10.1053, 12.3020, 27.7492



0.2123, 0.2832, 0.5067

Inverse Universe

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



21.6261, 15.5592, 25.9091



36.6946, 23.9361, 43.5918



24.5509, 26.0611, 12.5411



6.8313, 6.7254, 7.9625



13.8989, 6.8641, 14.2503



0.2645, 0.1291, 0.3388

Previews

White Background



This preview shows how the XYZ color 18.9270, 22.5557, 34.8086 looks on a white background.

Color Contrast Check

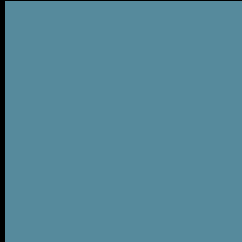
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9270, 22.5557, 34.8086 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 18.9270, 22.5557, 34.8086

Background



This preview shows how black text looks on a background with the XYZ color 18.9270, 22.5557, 34.8086.



This preview shows how white text looks on a background with the XYZ color 18.9270, 22.5557,

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

18.9270, 22.5557, 34.8086

Protanopia

21.9595, 22.3381, 32.0085

Deuteranopia

22.8142, 22.3145, 35.4524



Tritanopia

18.3938, 22.5521, 32.2377

Trichromacy



Original Color

18.9270, 22.5557, 34.8086

Protanomaly

20.4743, 22.1490, 32.9018

Deuteranomaly

21.0122, 22.1776, 35.0715

Tritanomaly

18.6464, 22.6635, 33.0975

Monochromacy



Original Color

18.9270, 22.5557, 34.8086

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.9821, 21.1223, 26.3691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9270, 22.5557, 34.8086 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(86, 138, 156) looks like.

```
.text, #text, p{  
    color:rgb(86, 138, 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(86, 138, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 138, 156) }
```

Border

The CSS property to change the border of an element to XYZ 18.9270, 22.5557, 34.8086 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(86, 138, 156) }
```


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

```
.border{ border-color:rgb(86, 138, 156) }
```

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

Here you see how a box with a 4 pixel rgb(86, 138, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 138, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 138, 156);  
box-shadow:4px 4px 4px 4px rgb(86, 138,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9270, 22.5557, 34.8086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 138, 156) }
```

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

```
.background{ background-color: rgb(86, 138,  
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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