

Converting Colors

XYZ(18.9131, 21.9746, 36.7332)

Have a look what the booklet for
XYZ(18.9131, 21.9746, 36.7332)
contains.

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Color

**XYZ(18.9347, 21.8796,
36.9434)**

Conversions

Conversions Part 1

Format	Color
Hex	5687A1
RGB	86, 135, 161
RGB Percent	34%, 53%, 63%
CMY	0.6627, 0.4706, 0.3686
CMYK	0.47, 0.16, 0.00, 0.37
HSL	201°, 30%, 48%
HSV	201°, 47%, 63%
XYZ	18.9347, 21.8796, 36.9434
YIQ	123.3130, -37.5500, -2.3020

Conversions

Conversions Part 2

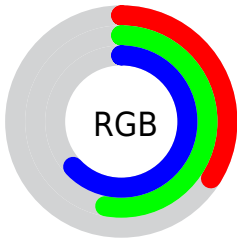
Format	Color
R_{YB}	86, 116, 161
Decimal	5670817
CIE _{Lab}	53.90, -9.27, -18.98
CIE _{LCh}	54, 21.122, 243.965
Yxy	21.8796, 0.2435, 0.2814
Android (android.graphics.Color)	4283860897 (0xFF5687A1)
YUV	123.3130, 18.5797, -32.7235
Hunter-Lab	46.7756, -9.6009, -14.0843

Details

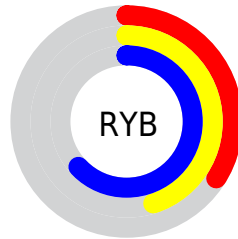
The XYZ color **18.9347, 21.8796, 36.9434** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **22.1722, 19.8376, 11.4651**, and the grayscale version is **18.8801, 19.8633, 21.6311**.

A 20% lighter version of the original color is **41.1931, 46.4998, 71.7700**, and **6.5739, 7.8924, 15.6449** is the 20% darker color. If you saturate the color by 10%, you get **16.8577, 19.6835, 36.6294**, and if you desaturate by 10%, it is **21.3878, 24.3312, 37.2877**.

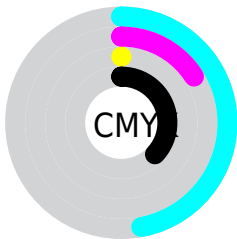
Distribution



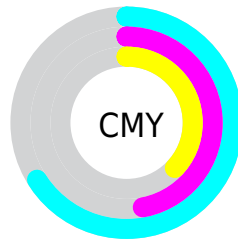
- Red (34%)
- Green (53%)
- Blue (63%)



- Red (34%)
- Yellow (45%)
- Blue (63%)



- Cyan (47%)
- Magenta (16%)
- Yellow (0%)
- Black (37%)



- Cyan (66%)
- Magenta (47%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9347, 21.8796, 36.9434 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 18.9347, 21.8796, 36.9434 by changing the saturation by 10% instead.

■ 18.9347, 21.8796,
36.9434

■ 18.9347, 21.8796,
36.9434

239.0331,
261.9169, 348.2267

■ 11.7268, 13.7685,
24.8682

■ 41.1415, 46.5469,
71.6711

■ 6.6288, 7.9598,
15.7608

■ 56.8710, 63.8719,
95.1607

■ 3.2753, 4.0692,
9.2025

■ 76.1719, 85.0369,
123.2921

■ 1.3010, 1.7124,
4.7749

■ 99.4095, 110.4264,
156.4840

■ 0.1840, 0.4316,
2.0594

126.9490,
140.4248, 195.1549

■ 0.0000, 0.0000,
0.5914

159.1558,

■ 0.0000, 0.0000,

175.4164, 239.7233

0.0000

196.3954,
215.7856, 290.6077

■ 18.9347, 21.8796,
36.9434

■ 18.9347, 21.8796,
36.9434

■ 16.8577, 19.6835,
36.6294

■ 21.3878, 24.3312,
37.2877

■ 15.1315, 17.7273,
36.3428

■ 24.2362, 27.0476,
37.6619

■ 13.7305, 15.9976,
36.0828

■ 27.5000, 30.0406,
38.0676

■ 12.6245, 14.4778,
35.8477

■ 31.1974, 33.3203,
38.5058

■ 11.7698, 13.1443,
35.6354

■ 35.3455, 36.8965,
38.9774

■ 11.5040, 12.7150,
35.5665

■ 39.9604, 40.7782,
39.4834

■ 45.0573, 44.9741,
40.0247

■ 50.6507, 49.4926,
40.6020

■ 56.7546, 54.3415,
41.2162

Harmonies

Analogous

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



17.3753, 21.8796, 31.5288



18.9347, 21.8796, 36.9434



21.0998, 21.8796, 38.6311

Triad

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



18.9347, 21.8796, 36.9434



25.4714, 21.8796, 22.9674



18.4468, 21.8796, 14.8714

Complementary

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



18.9347, 21.8796, 36.9434



22.1722, 19.8376, 11.4651

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.



20.4949, 21.8796, 13.3848



18.9347, 21.8796, 36.9434



24.6383, 21.8796, 17.4880

Square

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



18.9347, 21.8796, 36.9434



24.9785, 21.8796, 29.7547



22.7752, 21.8796, 14.2477



17.1084, 21.8796, 18.7375

Rectangle

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



18.9347, 21.8796, 36.9434



22.6235, 21.8796, 37.2001



22.7752, 21.8796, 14.2477



19.0695, 21.8796, 14.1124

Sweetspot

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



18.9354, 21.8804, 36.9439



50.7153, 55.1156, 68.3519



19.4524, 28.6163, 19.5378



10.8405, 11.8345, 14.9566



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.9354, 21.8804, 36.9439



30.0317, 35.0773, 65.5743



14.6859, 13.3815, 35.5274



7.0684, 7.5959, 8.9967



9.2268, 10.2331, 28.4187



0.2354, 0.2980, 0.6110

Inverse Universe

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



22.3994, 15.9825, 24.8269



37.2656, 24.0710, 39.9766



27.0466, 29.5864, 13.0899



7.2595, 7.1603, 8.3530



13.8028, 6.8772, 11.4178



0.3110, 0.1529, 0.3502

Previews

White Background



This preview shows how the XYZ color 18.9347, 21.8796, 36.9434 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 18.9347, 21.8796, 36.9434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

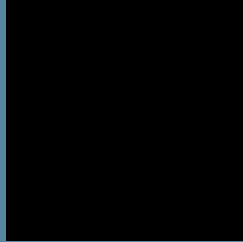
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9347, 21.8796, 36.9434

Background



This preview shows how black text looks on a background with the XYZ color 18.9347, 21.8796, 36.9434.



This preview shows how white text looks on a background with the XYZ color 18.9347, 21.8796,

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

18.9347, 21.8796, 36.9434

Protanopia

21.5318, 21.6829, 34.0607

Deuteranopia

22.2401, 21.7770, 37.6815



Tritanopia

17.7706, 21.8233, 31.2927

Trichromacy



Original Color

18.9347, 21.8796, 36.9434

Protanomaly

20.3751, 21.6508, 35.0034

Deuteranomaly

20.8023, 21.6241, 37.2599

Tritanomaly

18.1212, 21.7472, 33.3795

Monochromacy



Original Color

18.9347, 21.8796, 36.9434

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.5351, 20.2999, 26.6083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9347, 21.8796, 36.9434 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, 135, 161) looks like.

```
.text, #text, p{  
    color:rgb(86, 135, 161)  
}
```

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, 135, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 135, 161) }
```

Border

The CSS property to change the border of an element to XYZ 18.9347, 21.8796, 36.9434 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, 135, 161) }
```


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

```
.border{ border-color:rgb(86, 135, 161) }
```

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

Here you see how a box with a 4 pixel rgb(86, 135, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 135, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 135, 161);  
box-shadow:4px 4px 4px 4px rgb(86, 135,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9347, 21.8796, 36.9434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 135, 161) }
```

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

```
.background{ background-color: rgb(86, 135,  
161) }
```

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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