

Converting Colors

XYZ(18.0148, 19.6310, 42.6728)

Have a look what the booklet for
XYZ(18.0148, 19.6310, 42.6728)
contains.

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Color

**XYZ(18.0534, 19.6906,
42.8935)**

Conversions

Conversions Part 1

Format	Color
Hex	4A7FAE
RGB	74, 127, 174
RGB Percent	29%, 50%, 68%
CMY	0.7098, 0.5020, 0.3176
CMYK	0.57, 0.27, 0.00, 0.32
HSL	208°, 40%, 49%
HSV	208°, 57%, 68%
XYZ	18.0534, 19.6906, 42.8935
YIQ	116.5110, -46.6750, 3.3810

Conversions

Conversions Part 2

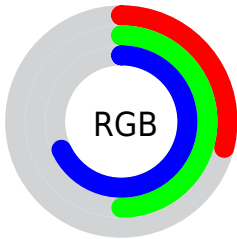
Format	Color
R_{YB}	74, 109, 174
Decimal	4882350
CIE _{Lab}	51.49, -3.47, -30.26
CIE _{LCh}	51, 30.457, 263.457
Yxy	19.6906, 0.2239, 0.2442
Android (android.graphics.Color)	4283072430 (0xFF4A7FAE)
YUV	116.5110, 28.3421, -37.2821
Hunter-Lab	44.3741, -5.0327, -26.2499

Details

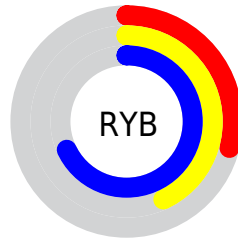
The XYZ color **18.0534, 19.6906, 42.8935** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.5297, 23.1689, 9.6059**, and the grayscale version is **16.6839, 17.5528, 19.1150**.

A 20% lighter version of the original color is **39.8101, 43.1015, 81.0841**, and **6.1756, 6.8293, 19.0818** is the 20% darker color. If you saturate the color by 10%, you get **15.8808, 17.0660, 42.5018**, and if you desaturate by 10%, it is **20.6836, 22.6791, 43.3321**.

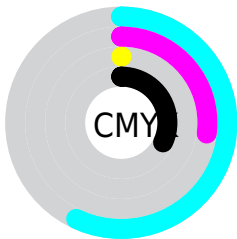
Distribution



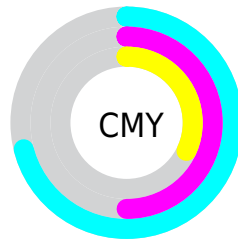
- Red (29%)
- Green (50%)
- Blue (68%)



- Red (29%)
- Yellow (43%)
- Blue (68%)



- Cyan (57%)
- Magenta (27%)
- Yellow (0%)
- Black (32%)



- Cyan (71%)
- Magenta (50%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0534, 19.6906, 42.8935 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 18.0534, 19.6906, 42.8935 by changing the saturation by 10% instead.

■ 18.0534, 19.6906,
42.8935

■ 18.0534, 19.6906,
42.8935

234.2116,
250.2352, 374.0819

■ 11.0883, 12.1703,
29.4708

■ 39.6577, 42.8978,
80.8348

■ 6.1940, 6.8598,
19.1886

■ 55.0275, 59.3536,
106.1904

■ 3.0052, 3.3746,
11.6285

■ 73.9296, 79.5567,
136.3607

■ 1.1565, 1.3303,
6.3718

■ 96.7293, 103.8914,
171.7643

■ 0.0716, 0.1645,
3.0000

■ 123.7920,
132.7423, 212.8197

■ 0.0000, 0.0000,
1.0946

155.4831,

■ 0.0000, 0.0000,

166.4936, 259.9454

0.0000

192.1678,
205.5298, 313.5599

■ 18.0534, 19.6906,
42.8935

■ 18.0534, 19.6906,
42.8935

■ 15.8808, 17.0660,
42.5018

■ 20.6836, 22.6791,
43.3321

■ 14.1304, 14.7830,
42.1534

■ 23.7991, 26.0475,
43.8181

■ 12.7641, 12.8193,
41.8464

■ 27.4277, 29.8135,
44.3537

■ 11.7237, 11.1414,
41.5773

■ 31.5942, 33.9926,
44.9408

■ 11.4862, 10.7483,
41.5140

■ 36.3219, 38.5993,
45.5808

■ 41.6326, 43.6475,
46.2753

■ 47.5467, 49.1503,
47.0257

■ 54.0839, 55.1201,
47.8335

■ 61.2627, 61.5690,
48.6998

Harmonies

Analogous

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



15.4286, 19.6906, 38.0104



18.0534, 19.6906, 42.8935



21.1543, 19.6906, 40.8905

Triad

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



18.0534, 19.6906, 42.8935



24.6429, 19.6906, 15.4119



14.3784, 19.6906, 12.8962

Complementary

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



18.0534, 19.6906, 42.8935



25.5297, 23.1689, 9.6059

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.



16.4714, 19.6906, 9.4066



18.0534, 19.6906, 42.8935



22.4385, 19.6906, 10.5584

Square

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



18.0534, 19.6906, 42.8935



25.1844, 19.6906, 23.4160



19.3932, 19.6906, 8.6858



13.4613, 19.6906, 19.5779

Rectangle

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



18.0534, 19.6906, 42.8935



23.0570, 19.6906, 36.1304



19.3932, 19.6906, 8.6858



14.9560, 19.6906, 11.3934

Sweetspot

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



18.0541, 19.6913, 42.8940



57.4436, 61.7924, 81.5364



21.3916, 33.1008, 23.2448



12.4204, 13.3903, 18.0743



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.0541, 19.6913, 42.8940



27.8581, 29.7554, 76.9120



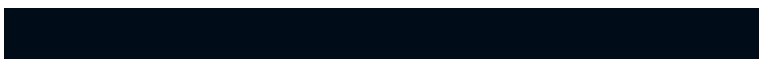
13.1421, 9.8673, 41.2566



7.9171, 8.4335, 10.1632



8.3908, 7.9155, 30.1301



0.2876, 0.3286, 0.8563

Inverse Universe

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



23.7357, 15.4293, 21.8065



39.6538, 23.0590, 32.6491



33.1921, 38.4936, 12.1600



8.1759, 8.0836, 9.2373



14.0989, 7.1021, 8.1664



0.4196, 0.2085, 0.3712

Previews

White Background



This preview shows how the XYZ color 18.0534, 19.6906, 42.8935 looks on a white background.

Color Contrast Check

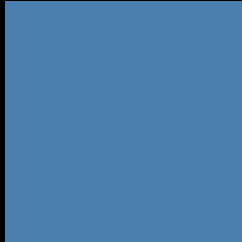
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0534, 19.6906, 42.8935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

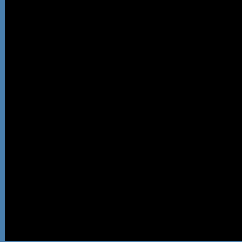
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.0534, 19.6906, 42.8935

Background



This preview shows how black text looks on a background with the XYZ color 18.0534, 19.6906, 42.8935.

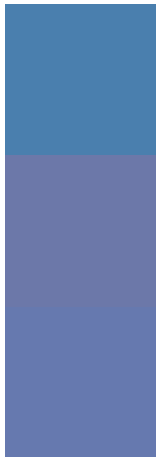


This preview shows how white text looks on a background with the XYZ color 18.0534, 19.6906,

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

18.0534, 19.6906, 42.8935

Protanopia

20.0622, 19.4857, 40.2398

Deuteranopia

20.0547, 19.5947, 43.2826



Tritanopia

15.3321, 19.7824, 28.9969

Trichromacy



Original Color

18.0534, 19.6906, 42.8935

Protanomaly

19.2575, 19.5930, 41.2949

Deuteranomaly

19.2345, 19.5364, 43.3146

Tritanomaly

16.1958, 19.7239, 33.5253

Monochromacy



Original Color

18.0534, 19.6906, 42.8935

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.7916, 18.2764, 26.6874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0534, 19.6906, 42.8935 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(74, 127, 174)` looks like.

```
.text, #text, p{  
    color:rgb(74, 127, 174)  
}
```

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(74, 127, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 127, 174) }
```

Border

The CSS property to change the border of an element to XYZ 18.0534, 19.6906, 42.8935 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(74, 127, 174) }
```


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

```
.border{ border-color:rgb(74, 127, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 127, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 127, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 127, 174);  
box-shadow:4px 4px 4px 4px rgb(74, 127,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0534, 19.6906, 42.8935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 127, 174) }
```

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

```
.background{ background-color: rgb(74, 127,  
174) }
```

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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