

Converting Colors

XYZ(16.9905, 18.9523, 34.2152)

Have a look what the booklet for
XYZ(16.9905, 18.9523, 34.2152)
contains.

XYZ(16.9905, 18.9523, 34.2152)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.9905, 18.9523,
34.2152)**

Conversions

Conversions Part 1

Format	Color
Hex	547D9C
RGB	84, 125, 156
RGB Percent	33%, 49%, 61%
CMY	0.6706, 0.5098, 0.3882
CMYK	0.46, 0.20, 0.00, 0.39
HSL	206°, 30%, 47%
HSV	206°, 46%, 61%
XYZ	16.9905, 18.9523, 34.2152
YIQ	116.2750, -34.3870, 0.9490

Conversions

Conversions Part 2

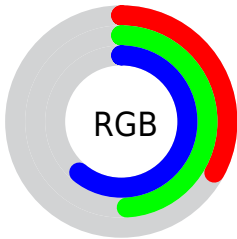
Format	Color
RYB	84, 110, 156
Decimal	5537180
CIELab	50.63, -5.54, -21.09
CIELCh	51, 21.807, 255.273
Yxy	18.9523, 0.2422, 0.2701
Android (android.graphics.Color)	4283727260 (0xFF547D9C)
YUV	116.2750, 19.5844, -28.3052
Hunter-Lab	43.5342, -6.5201, -16.1243

Details

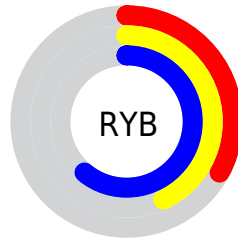
The XYZ color **16.9905, 18.9523, 34.2152** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **21.4418, 19.9701, 11.1127**, and the grayscale version is **16.6346, 17.5009, 19.0585**.

A 20% lighter version of the original color is **37.9948, 41.8623, 67.7057**, and **5.6697, 6.4648, 14.3136** is the 20% darker color. If you saturate the color by 10%, you get **14.9250, 16.6680, 33.8835**, and if you desaturate by 10%, it is **19.4257, 21.5134, 34.5815**.

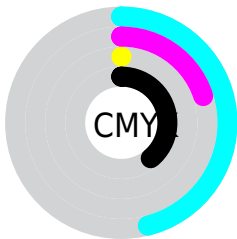
Distribution



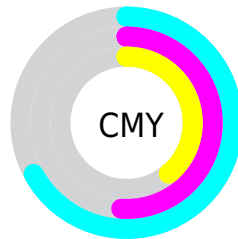
- Red (33%)
- Green (49%)
- Blue (61%)



- Red (33%)
- Yellow (43%)
- Blue (61%)



- Cyan (46%)
- Magenta (20%)
- Yellow (0%)
- Black (39%)



- Cyan (67%)
- Magenta (51%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9905, 18.9523, 34.2152 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 16.9905, 18.9523, 34.2152 by changing the saturation by 10% instead.

■ 16.9905, 18.9523,
34.2152

■ 16.9905, 18.9523,
34.2152

228.2749,
246.1853, 335.8890

■ 10.3230, 11.6358,
22.7803

■ 37.8532, 41.6535,
67.4059

■ 5.6775, 6.4962,
14.2276

■ 52.7790, 57.8070,
89.9988

■ 2.6888, 3.1491,
8.1386

■ 71.1884, 77.6749,
117.1480

■ 0.9914, 1.2101,
4.0947

■ 93.4466, 101.6417,
149.2722

■ 0.0000, 0.0699,
1.6774

■ 119.9190,
130.0918, 186.7898

■ 0.0000, 0.0000,
0.3452

150.9709,

■ 0.0000, 0.0000,

163.4094, 230.1195

0.0000

186.9678,
201.9792, 279.6797

■ 16.9905, 18.9523,
34.2152

■ 16.9905, 18.9523,
34.2152

■ 14.9250, 16.6680,
33.8835

■ 19.4257, 21.5134,
34.5815

■ 13.2054, 14.6452,
33.5837

■ 22.2489, 24.3611,
34.9824

■ 11.8076, 12.8704,
33.3148

■ 25.4791, 27.5072,
35.4194

■ 10.7034, 11.3271,
33.0751

■ 29.1337, 30.9622,
35.8937

■ 9.8529, 9.9930,
32.8624

■ 33.2288, 34.7360,
36.4063

■ 9.5594, 9.5175,
32.7861

■ 37.7798, 38.8379,
36.9581

■ 42.8012, 43.2768,
37.5503

■ 48.3070, 48.0613,
38.1836

■ 54.3103, 53.1996,
38.8590

Harmonies

Analogous

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



15.2776, 18.9523, 30.1613



16.9905, 18.9523, 34.2152



19.1162, 18.9523, 34.1746

Triad

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



16.9905, 18.9523, 34.2152



22.2689, 18.9523, 17.6925



15.2528, 18.9523, 13.4216

Complementary

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



16.9905, 18.9523, 34.2152



21.4418, 19.9701, 11.1127

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.



16.9542, 18.9523, 11.2487



16.9905, 18.9523, 34.2152



21.0582, 18.9523, 13.3623

Square

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



16.9905, 18.9523, 34.2152



22.2805, 18.9523, 23.7697



19.0770, 18.9523, 11.2294



14.3295, 18.9523, 17.7903

Rectangle

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



16.9905, 18.9523, 34.2152



20.4885, 18.9523, 31.7933



19.0770, 18.9523, 11.2294



15.7465, 18.9523, 12.4519

Sweetspot

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



16.9911, 18.9530, 34.2157



47.4618, 51.0937, 64.4873



18.5824, 26.8771, 20.1287



10.1642, 10.9755, 14.1531



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.



16.9911, 18.9530, 34.2157



27.1296, 30.2983, 61.5450



13.3137, 11.5981, 32.9898



6.5824, 7.0306, 8.4168



7.9088, 7.9092, 27.0170



0.1829, 0.2245, 0.4969

Inverse Universe

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



20.5828, 14.8899, 21.1919



34.6864, 22.8469, 33.8976



26.2173, 29.5212, 12.7045



6.7833, 6.7063, 7.7101



12.7902, 6.4207, 8.4122



0.2497, 0.1232, 0.2608

Previews

White Background



This preview shows how the XYZ color 16.9905, 18.9523, 34.2152 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 16.9905, 18.9523, 34.2152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

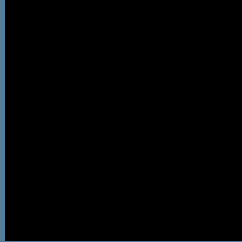
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9905, 18.9523, 34.2152

Background



This preview shows how black text looks on a background with the XYZ color 16.9905, 18.9523, 34.2152.

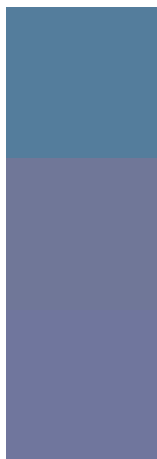


This preview shows how white text looks on a background with the XYZ color 16.9905, 18.9523,

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

16.9905, 18.9523, 34.2152

Protanopia

18.9464, 18.9054, 32.3563

Deuteranopia

19.2463, 18.8359, 34.5196



Tritanopia

15.5311, 18.9356, 26.8811

Trichromacy



Original Color

16.9905, 18.9523, 34.2152

Protanomaly

18.0666, 18.7994, 32.8134

Deuteranomaly

18.4027, 18.9338, 34.5830

Tritanomaly

16.0935, 18.9724, 29.6019

Monochromacy



Original Color

16.9905, 18.9523, 34.2152

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.4025, 17.7754, 24.0392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9905, 18.9523, 34.2152 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(84, 125, 156)` looks like.

```
.text, #text, p{  
    color:rgb(84, 125, 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(84, 125, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 125, 156) }
```

Border

The CSS property to change the border of an element to XYZ 16.9905, 18.9523, 34.2152 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(84, 125, 156) }
```


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

```
.border{ border-color:rgb(84, 125, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 125, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 125, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 125, 156);  
box-shadow:4px 4px 4px 4px rgb(84, 125,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9905, 18.9523, 34.2152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 125, 156) }
```

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

```
.background{ background-color: rgb(84, 125,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor