

Converting Colors

XYZ(18.6522, 20.0602, 34.2675)

Have a look what the booklet for
XYZ(18.6522, 20.0602, 34.2675)
contains.

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Color

**XYZ(18.6072, 19.9747,
34.3273)**

Conversions

Conversions Part 1

Format	Color
Hex	637E9C
RGB	99, 126, 156
RGB Percent	39%, 49%, 61%
CMY	0.6118, 0.5059, 0.3882
CMYK	0.37, 0.19, 0.00, 0.39
HSL	212°, 22%, 50%
HSV	212°, 37%, 61%
XYZ	18.6072, 19.9747, 34.3273
YIQ	121.3470, -25.7220, 3.6060

Conversions

Conversions Part 2

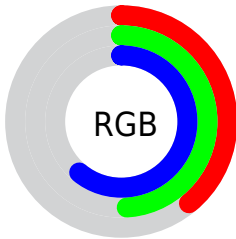
Format	Color
R_{YB}	99, 117, 156
Decimal	6520476
CIE _{Lab}	51.81, -1.95, -19.21
CIE _{LCh}	52, 19.308, 264.193
Yxy	19.9747, 0.2552, 0.2740
Android (android.graphics.Color)	4284710556 (0xFF637E9C)
YUV	121.3470, 17.0839, -19.5983
Hunter-Lab	44.6931, -3.8974, -14.2536

Details

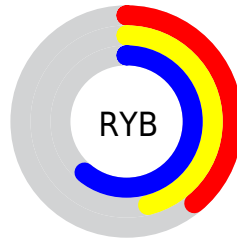
The XYZ color **18.6072, 19.9747, 34.3273** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.8130, 23.6696, 15.1186**, and the grayscale version is **18.2391, 19.1890, 20.8968**.

A 20% lighter version of the original color is **40.6405, 43.5227, 67.8867**, and **6.4703, 6.9806, 14.3710** is the 20% darker color. If you saturate the color by 10%, you get **16.0577, 17.1657, 33.9198**, and if you desaturate by 10%, it is **21.5734, 23.1274, 34.7798**.

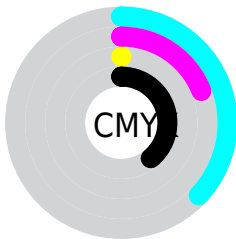
Distribution



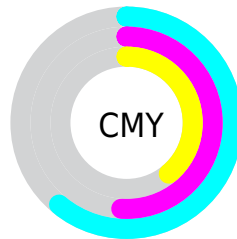
- Red (39%)
- Green (49%)
- Blue (61%)



- Red (39%)
- Yellow (46%)
- Blue (61%)



- Cyan (37%)
- Magenta (19%)
- Yellow (0%)
- Black (39%)



- Cyan (61%)
- Magenta (51%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6072, 19.9747, 34.3273 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 18.6072, 19.9747, 34.3273 by changing the saturation by 10% instead.

■ 18.6072, 19.9747,
34.3273

■ 18.6072, 19.9747,
34.3273

237.2516,
251.7781, 336.4026

■ 11.4891, 12.3767,
22.8658

■ 40.5913, 43.3748,
67.5820

■ 6.4665, 7.0007,
14.2900

■ 56.1881, 59.9456,
90.2123

■ 3.1741, 3.4626,
8.1816

■ 75.3417, 80.2761,
117.4026

■ 1.2465, 1.3777,
4.1219

■ 98.4177, 104.7507,
149.5713

■ 0.1426, 0.2002,
1.6925

125.7813,
133.7538, 187.1372

■ 0.0000, 0.0000,
0.3556

157.7979,

■ 0.0000, 0.0000,

167.6698, 230.5187

0.0000

194.8329,
206.8831, 280.1343

■ 18.6072, 19.9747,
34.3273

■ 18.6072, 19.9747,
34.3273

■ 16.0577, 17.1657,
33.9198

■ 21.5734, 23.1274,
34.7798

■ 13.9019, 14.6840,
33.5544

■ 24.9739, 26.6344,
35.2775

■ 12.1173, 12.5155,
33.2299

■ 28.8275, 30.5087,
35.8222

■ 10.6781, 10.6434,
32.9444

■ 33.1513, 34.7619,
36.4153

■ 9.5548, 9.0491,
32.6959

■ 37.9615, 39.4050,
37.0580

■ 8.7042, 7.7067,
32.4816

■ 43.2735, 44.4486,
37.7515

■ 8.4428, 7.2843,
32.4139

■ 49.1019, 49.9028,
38.4971

■ 55.4608, 55.7772,
39.2958

■ 62.3637, 62.0813,
40.1488

Harmonies

Analogous

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



16.8680, 19.9747, 31.7108



18.6072, 19.9747, 34.3273



20.5694, 19.9747, 33.1334

Triad

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



18.6072, 19.9747, 34.3273



22.6284, 19.9747, 17.6252



16.0945, 19.9747, 16.0342

Complementary

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



18.6072, 19.9747, 34.3273



23.8130, 23.6696, 15.1186

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.



17.4848, 19.9747, 13.3262



18.6072, 19.9747, 34.3273



21.2728, 19.9747, 14.1283

Square

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



18.6072, 19.9747, 34.3273



22.9800, 19.9747, 22.8576



19.3686, 19.9747, 12.6936



15.4827, 19.9747, 20.6769

Rectangle

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



18.6072, 19.9747, 34.3273



21.7308, 19.9747, 30.4262



19.3686, 19.9747, 12.6936



16.4815, 19.9747, 14.9017

Sweetspot

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



18.6078, 19.9755, 34.3278



48.9781, 52.0339, 64.5889



20.9605, 28.0004, 24.8781



10.5873, 11.2586, 14.1855



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.



18.6078, 19.9755, 34.3278



29.8861, 31.9858, 61.7254



15.7131, 14.0310, 33.3329



6.5309, 6.9275, 8.3996



6.9885, 6.0685, 26.7102



0.1670, 0.1927, 0.4916

Inverse Universe

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



21.9386, 17.4985, 21.9608



37.0115, 27.3523, 35.1195



27.6682, 31.6517, 16.4561



6.7573, 6.6958, 7.5731



12.3257, 6.2348, 5.9659



0.2416, 0.1200, 0.2185

Previews

White Background



This preview shows how the XYZ color 18.6072, 19.9747, 34.3273 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 18.6072, 19.9747, 34.3273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

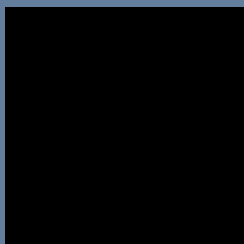
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

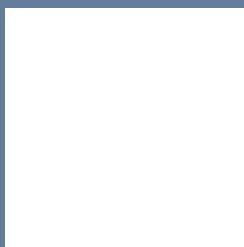
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6072, 19.9747, 34.3273

Background



This preview shows how black text looks on a background with the XYZ color 18.6072, 19.9747, 34.3273.

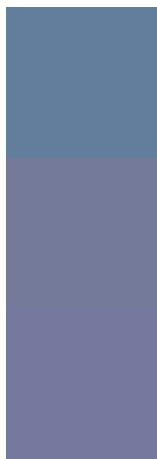


This preview shows how white text looks on a background with the XYZ color 18.6072, 19.9747,

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

18.6072, 19.9747, 34.3273

Protanopia

19.9118, 19.9320, 32.9348

Deuteranopia

20.2593, 19.8910, 34.6699



Tritanopia

17.2298, 19.9975, 27.3779

Trichromacy



Original Color

18.6072, 19.9747, 34.3273

Protanomaly

19.3461, 19.8140, 33.3767

Deuteranomaly

19.5992, 19.9152, 34.7093

Tritanomaly

17.6539, 19.9695, 29.7121

Monochromacy



Original Color

18.6072, 19.9747, 34.3273

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.1961, 19.3979, 25.3394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6072, 19.9747, 34.3273 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(99, 126, 156) looks like.

```
.text, #text, p{  
    color:rgb(99, 126, 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(99, 126, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 126, 156) }
```

Border

The CSS property to change the border of an element to XYZ 18.6072, 19.9747, 34.3273 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(99, 126, 156) }
```


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

```
.border{ border-color:rgb(99, 126, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 126, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 126, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 126, 156);  
box-shadow:4px 4px 4px 4px rgb(99, 126,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6072, 19.9747, 34.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 126, 156) }
```

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

```
.background{ background-color: rgb(99, 126,  
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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