

Converting Colors

XYZ(17.9975, 19.4903, 32.9074)

Have a look what the booklet for
XYZ(17.9975, 19.4903, 32.9074)
contains.

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Color

**XYZ(18.0131, 19.5085,
32.9531)**

Conversions

Conversions Part 1

Format	Color
Hex	617D99
RGB	97, 125, 153
RGB Percent	38%, 49%, 60%
CMY	0.6196, 0.5098, 0.4000
CMYK	0.37, 0.18, 0.00, 0.40
HSL	210°, 22%, 49%
HSV	210°, 37%, 60%
XYZ	18.0131, 19.5085, 32.9531
YIQ	119.8200, -25.6760, 2.7720

Conversions

Conversions Part 2

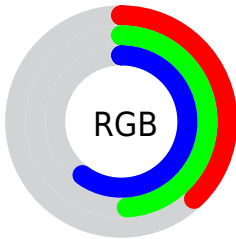
Format	Color
R_{YB}	97, 116, 153
Decimal	6389145
CIE _{Lab}	51.28, -2.79, -18.28
CIE _{LCh}	51, 18.495, 261.339
Yxy	19.5085, 0.2556, 0.2768
Android (android.graphics.Color)	4284579225 (0xFF617D99)
YUV	119.8200, 16.3577, -20.0131
Hunter-Lab	44.1684, -4.4975, -13.3171

Details

The XYZ color **18.0131, 19.5085, 32.9531** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **22.6284, 22.3028, 14.4220**, and the grayscale version is **17.7509, 18.6753, 20.3374**.

A 20% lighter version of the original color is **39.5773, 42.7353, 65.1943**, and **6.1550, 6.7325, 13.5455** is the 20% darker color. If you saturate the color by 10%, you get **15.6061, 16.8853, 32.5740**, and if you desaturate by 10%, it is **20.8104, 22.4445, 33.3727**.

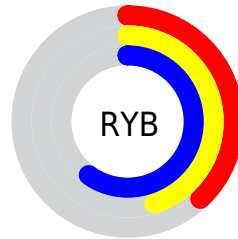
Distribution



Red (38%)

Green (49%)

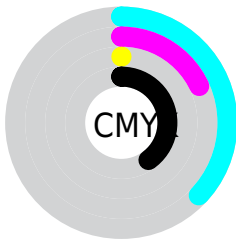
Blue (60%)



Red (38%)

Yellow (45%)

Blue (60%)

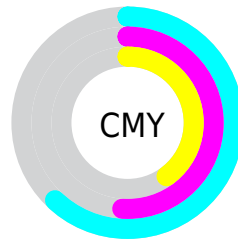


Cyan (37%)

Magenta (18%)

Yellow (0%)

Black (40%)



Cyan (62%)

Magenta (51%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0131, 19.5085, 32.9531 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 18.0131, 19.5085, 32.9531 by changing the saturation by 10% instead.

■ 18.0131, 19.5085,
32.9531

■ 18.0131, 19.5085,
32.9531

233.9890,
249.2418, 330.0639

■ 11.0591, 12.0383,
21.8197

■ 39.5896, 42.5916,
65.4175

■ 6.1742, 6.7698,
13.5274

■ 54.9428, 58.9733,
87.5855

■ 2.9930, 3.3185,
7.6577

■ 73.8264, 79.0942,
114.2688

■ 1.1500, 1.3002,
3.7921

■ 96.6059, 103.3388,
145.8860

■ 0.0664, 0.1414,
1.5120

123.6465,
132.0915, 182.8556

■ 0.0000, 0.0000,
0.2268

155.3137,

■ 0.0000, 0.0000,

165.7366, 225.5960

0.0000

191.9727,
204.6586, 274.5260

■ 18.0131, 19.5085,
32.9531

■ 18.0131, 19.5085,
32.9531

■ 15.6061, 16.8853,
32.5740

■ 20.8104, 22.4445,
33.3727

■ 13.5677, 14.5600,
32.2326

■ 24.0145, 25.7029,
33.8328

■ 11.8768, 12.5196,
31.9279

■ 27.6429, 29.2955,
34.3350

■ 10.5091, 10.7488,
31.6581

■ 31.7119, 33.2330,
34.8805

■ 9.4369, 9.2305,
31.4216

■ 36.2366, 37.5253,
35.4705

■ 8.6184, 7.9404,
31.2157

■ 41.2314, 42.1819,
36.1061

■ 8.3691, 7.5384,
31.1513

■ 46.7100, 47.2122,
36.7883

■ 52.6857, 52.6249,
37.5181

■ 59.1712, 58.4285,
38.2965

Harmonies

Analogous

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



16.4130, 19.5085, 30.2045



18.0131, 19.5085, 32.9531



19.8635, 19.5085, 32.1810

Triad

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



18.0131, 19.5085, 32.9531



22.0471, 19.5085, 17.7544



15.9075, 19.5085, 15.5051

Complementary

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



18.0131, 19.5085, 32.9531



22.6284, 22.3028, 14.4220

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.



17.2809, 19.5085, 13.1132



18.0131, 19.5085, 32.9531



20.8481, 19.5085, 14.2541

Square

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



18.0131, 19.5085, 32.9531



22.2755, 19.5085, 22.8085



19.0817, 19.5085, 12.6966



15.2513, 19.5085, 19.7478

Rectangle

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



18.0131, 19.5085, 32.9531



20.9858, 19.5085, 29.8201



19.0817, 19.5085, 12.6966



16.2961, 19.5085, 14.4894

Sweetspot

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



18.0137, 19.5093, 32.9536



46.4083, 49.4182, 61.0647



19.9637, 26.7812, 23.2084



10.0728, 10.7390, 13.4594



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.0137, 19.5093, 32.9536



28.6464, 31.0138, 58.4484



15.0414, 13.5647, 31.9628



6.1268, 6.5110, 7.8628



6.9502, 6.2971, 25.7568



0.1402, 0.1668, 0.3972

Inverse Universe

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



21.1137, 16.8029, 21.5333



35.1815, 25.9527, 34.2287



26.5340, 30.1139, 15.7238



6.3311, 6.2716, 7.1239



11.9669, 6.0410, 6.3508



0.1972, 0.0976, 0.1915

Previews

White Background



This preview shows how the XYZ color 18.0131, 19.5085, 32.9531 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 18.0131, 19.5085, 32.9531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

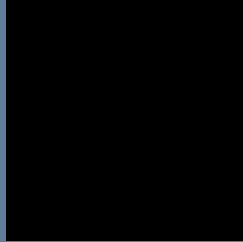
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

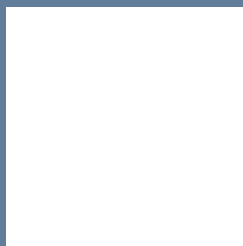
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0131, 19.5085, 32.9531

Background



This preview shows how black text looks on a background with the XYZ color 18.0131, 19.5085, 32.9531.



This preview shows how white text looks on a background with the XYZ color 18.0131, 19.5085,

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

18.0131, 19.5085, 32.9531

Protanopia

19.4126, 19.5216, 31.5990

Deuteranopia

19.8853, 19.5479, 33.2969



Tritanopia

16.8208, 19.6005, 26.9415

Trichromacy



Original Color

18.0131, 19.5085, 32.9531

Protanomaly

18.7298, 19.3416, 32.0243

Deuteranomaly

19.2227, 19.5672, 33.3355

Tritanomaly

17.1634, 19.5416, 28.8539

Monochromacy



Original Color

18.0131, 19.5085, 32.9531

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8065, 19.0298, 24.5644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0131, 19.5085, 32.9531 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(97, 125, 153)` looks like.

```
.text, #text, p{  
    color:rgb(97, 125, 153)  
}
```

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(97, 125, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 125, 153) }
```

Border

The CSS property to change the border of an element to XYZ 18.0131, 19.5085, 32.9531 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(97, 125, 153) }
```


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

```
.border{ border-color:rgb(97, 125, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 125, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 125, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 125, 153);  
box-shadow:4px 4px 4px 4px rgb(97, 125,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0131, 19.5085, 32.9531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 125, 153) }
```

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

```
.background{ background-color: rgb(97, 125,  
153) }
```

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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