

Converting Colors

XYZ(18.9633, 20.6703, 32.2034)

Have a look what the booklet for
XYZ(18.9633, 20.6703, 32.2034)
contains.

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Color

**XYZ(18.8986, 20.5563,
32.2499)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 678097 |
| RGB | 103, 128, 151 |
| RGB Percent | 40%, 50%, 59% |
| CMY | 0.5961, 0.4980, 0.4078 |
| CMYK | 0.32, 0.15, 0.00, 0.41 |
| HSL | 209°, 19%, 50% |
| HSV | 209°, 32%, 59% |
| XYZ | 18.8986, 20.5563, 32.2499 |
| YIQ | 123.1470, -22.2830, 1.8530 |

Conversions

Conversions Part 2

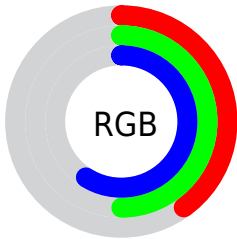
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 103, 119, 151 |
| Decimal | 6783127 |
| CIE _{Lab} | 52.46, -3.26, -15.28 |
| CIE _{LCh} | 52, 15.625, 257.974 |
| Yxy | 20.5563, 0.2636, 0.2867 |
| Android (android.graphics.Color) | 4284973207 (0xFF678097) |
| YUV | 123.1470, 13.7315, -17.6689 |
| Hunter-Lab | 45.3391, -4.9395, -10.4359 |

Details

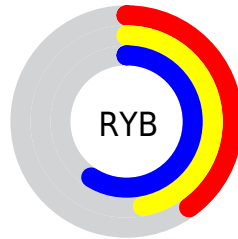
The XYZ color **18.8986, 20.5563, 32.2499** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **22.6718, 22.4805, 15.9767**, and the grayscale version is **18.8371, 19.8181, 21.5819**.

A 20% lighter version of the original color is **41.0609, 44.4241, 64.1682**, and **6.6176, 7.2963, 13.1161** is the 20% darker color. If you saturate the color by 10%, you get **16.4104, 17.9226, 31.8730**, and if you desaturate by 10%, it is **21.7682, 23.4875, 32.6648**.

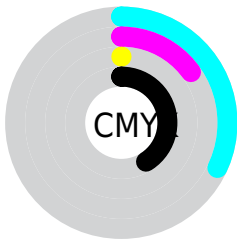
Distribution



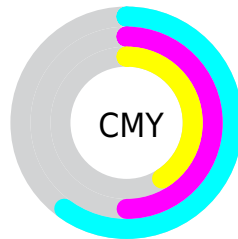
- Red (40%)
- Green (50%)
- Blue (59%)



- Red (40%)
- Yellow (47%)
- Blue (59%)



- Cyan (32%)
- Magenta (15%)
- Yellow (0%)
- Black (41%)



- Cyan (60%)
- Magenta (50%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8986, 20.5563, 32.2499 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 18.8986, 20.5563, 32.2499 by changing the saturation by 10% instead.

■ 18.8986, 20.5563,
32.2499

■ 18.8986, 20.5563,
32.2499

238.8373,
254.9110, 326.7838

■ 11.7006, 12.8001,
21.2860

■ 41.0809, 44.3479,
64.3051

■ 6.6109, 7.2910,
13.1400

■ 56.7959, 61.1521,
86.2335

■ 3.2641, 3.6448,
7.3931

■ 76.0806, 81.7410,
112.6539

■ 1.2949, 1.4769,
3.6270

■ 99.3004, 106.4991,
143.9848

■ 0.1794, 0.2724,
1.4230

126.8206,
135.8108, 180.6446

■ 0.0000, 0.0000,
0.1596

159.0066,

■ 0.0000, 0.0000,

170.0604, 223.0521

0.0000

196.2237,
209.6323, 271.6256

■ 18.8986, 20.5563,
32.2499

■ 18.8986, 20.5563,
32.2499

■ 16.4104, 17.9226,
31.8730

■ 21.7682, 23.4875,
32.6648

■ 14.2834, 15.5726,
31.5315

■ 25.0343, 26.7244,
33.1174

■ 12.4984, 13.4945,
31.2245

■ 28.7132, 30.2781,
33.6095

■ 11.0334, 11.6749,
30.9505

■ 32.8201, 34.1581,
34.1419

■ 9.8636, 10.0987,
30.7079

■ 37.3689, 38.3736,
34.7158

■ 8.9598, 8.7485,
30.4949

■ 42.3733, 42.9333,
35.3322

■ 8.3568, 7.7760,
30.3390

■ 47.8460, 47.8457,
35.9919

■ 53.7996, 53.1188,
36.6960

■ 60.2459, 58.7604,
37.4451

Harmonies

Analogous

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



17.5332, 20.5563, 29.6557



18.8986, 20.5563, 32.2499



20.5116, 20.5563, 31.9463

Triad

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



18.8986, 20.5563, 32.2499



22.6415, 20.5563, 19.7500



17.3221, 20.5563, 16.9435

Complementary

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



18.8986, 20.5563, 32.2499



22.6718, 22.4805, 15.9767

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.



18.5960, 20.5563, 14.9475



18.8986, 20.5563, 32.2499



21.6904, 20.5563, 16.4075

Square

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



18.8986, 20.5563, 32.2499



22.7336, 20.5563, 24.2858



20.1920, 20.5563, 14.7658



16.6571, 20.5563, 20.5810

Rectangle

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



18.8986, 20.5563, 32.2499



21.5107, 20.5563, 30.1456



20.1920, 20.5563, 14.7658



17.6900, 20.5563, 16.0813

Sweetspot

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



18.8992, 20.5571, 32.2504



45.8283, 48.8312, 59.4436



20.3879, 26.5081, 23.5788



10.2315, 10.9185, 13.4857



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.



18.8992, 20.5571, 32.2504



30.6676, 33.4700, 57.2777



16.1908, 15.1403, 31.3476



6.1373, 6.5319, 7.8663



7.1380, 6.6726, 25.8194



0.1431, 0.1726, 0.3981

Inverse Universe

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



21.5096, 17.8389, 22.7326



36.1812, 28.1964, 37.0690



26.0219, 29.1807, 17.0934



6.3364, 6.2737, 7.1516



12.0617, 6.0789, 6.8498



0.1987, 0.0982, 0.1992

Previews

White Background



This preview shows how the XYZ color 18.8986, 20.5563, 32.2499 looks on a white background.

Color Contrast Check

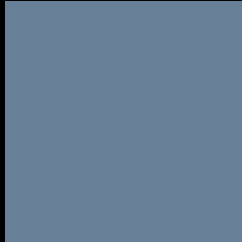
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8986, 20.5563, 32.2499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

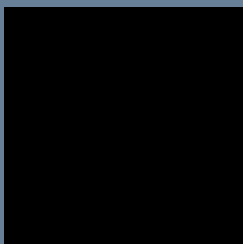
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

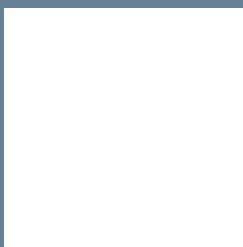
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8986, 20.5563, 32.2499

Background



This preview shows how black text looks on a background with the XYZ color 18.8986, 20.5563, 32.2499.



This preview shows how white text looks on a background with the XYZ color 18.8986, 20.5563,

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

18.8986, 20.5563, 32.2499

Protanopia

20.2987, 20.5465, 30.9130

Deuteranopia

20.7954, 20.3970, 32.5467



Tritanopia

18.0831, 20.6254, 27.8390

Trichromacy



Original Color

18.8986, 20.5563, 32.2499

Protanomaly

19.6979, 20.4146, 31.3360

Deuteranomaly

20.0776, 20.3953, 32.5842

Tritanomaly

18.3638, 20.5389, 29.3821

Monochromacy



Original Color

18.8986, 20.5563, 32.2499

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.7697, 20.0737, 25.0756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8986, 20.5563, 32.2499 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(103, 128, 151)` looks like.

```
.text, #text, p{  
    color:rgb(103, 128, 151)  
}
```

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(103, 128, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 128, 151) }
```

Border

The CSS property to change the border of an element to XYZ 18.8986, 20.5563, 32.2499 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(103, 128, 151) }
```


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

```
.border{ border-color:rgb(103, 128, 151) }
```

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

Here you see how a box with a 4 pixel rgb(103, 128, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 128, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 128, 151);  
box-shadow:4px 4px 4px 4px rgb(103, 128,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8986, 20.5563, 32.2499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 128, 151) }
```

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

```
.background{ background-color: rgb(103,  
128, 151) }
```

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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