

Converting Colors

XYZ(18.2697, 22.6758, 33.5509)

Have a look what the booklet for
XYZ(18.2697, 22.6758, 33.5509)
contains.

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Color

**XYZ(18.2697, 22.6758,
33.5509)**

Conversions

Conversions Part 1

Format	Color
Hex	4E8C99
RGB	78, 140, 153
RGB Percent	31%, 55%, 60%
CMY	0.6941, 0.4510, 0.4000
CMYK	0.49, 0.08, 0.00, 0.40
HSL	190°, 32%, 45%
HSV	190°, 49%, 60%
XYZ	18.2697, 22.6758, 33.5509
YIQ	122.9440, -41.1250, -9.1010

Conversions

Conversions Part 2

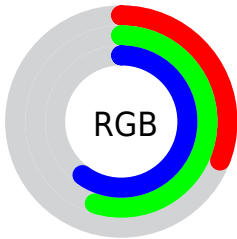
Format	Color
R_{YB}	78, 112, 153
Decimal	5147801
CIE _{Lab}	54.74, -16.34, -13.13
CIE _{LCh}	55, 20.960, 218.774
Yxy	22.6758, 0.2452, 0.3044
Android (android.graphics.Color)	4283337881 (0xFF4E8C99)
YUV	122.9440, 14.8176, -39.4159
Hunter-Lab	47.6191, -14.8496, -8.4405

Details

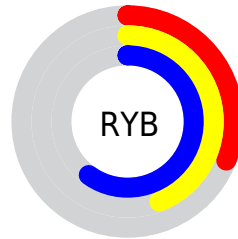
The XYZ color **18.2697, 22.6758, 33.5509** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.2534, 14.8048, 9.1038**, and the grayscale version is **18.7713, 19.7488, 21.5065**.

A 20% lighter version of the original color is **40.0700, 47.9941, 66.1834**, and **6.3230, 8.4101, 13.8604** is the 20% darker color. If you saturate the color by 10%, you get **16.7764, 21.3382, 33.3718**, and if you desaturate by 10%, it is **20.0654, 24.1842, 33.7478**.

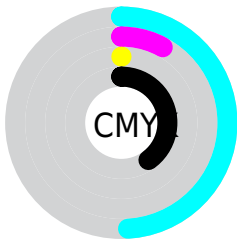
Distribution



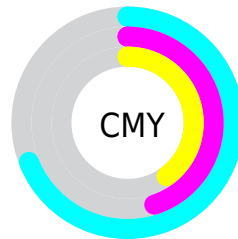
- Red (31%)
- Green (55%)
- Blue (60%)



- Red (31%)
- Yellow (44%)
- Blue (60%)



- Cyan (49%)
- Magenta (8%)
- Yellow (0%)
- Black (40%)



- Cyan (69%)
- Magenta (45%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2697, 22.6758, 33.5509 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 18.2697, 22.6758, 33.5509 by changing the saturation by 10% instead.

■ 18.2697, 22.6758,
33.5509

■ 18.2697, 22.6758,
33.5509

■ 235.4031,
266.0554, 332.8327

■ 11.2447, 14.3543,
22.2742

■ 40.0228, 47.8604,
66.3606

■ 6.3001, 8.3675,
13.8583

■ 55.4816, 65.4924,
88.7306

■ 3.0708, 4.3310,
7.8846

■ 74.4824, 86.9966,
115.6356

■ 1.1913, 1.8604,
3.9345

■ 97.3905, 112.7574,
147.4940

■ 0.0995, 0.5244,
1.5895

■ 124.5713,
143.1594, 184.7244

■ 0.0000, 0.0000,
0.2833

156.3900,

■ 0.0000, 0.0000,

178.5867, 227.7452

0.0000

193.2122,
219.4240, 276.9752

■ 18.2697, 22.6758,
33.5509

■ 18.2697, 22.6758,
33.5509

■ 16.7764, 21.3382,
33.3718

■ 20.0654, 24.1842,
33.7478

■ 15.5628, 20.1580,
33.2080

■ 22.1800, 25.8705,
33.9618

■ 14.6064, 19.1240,
33.0588

■ 24.6313, 27.7443,
34.1943

■ 13.8800, 18.2222,
32.9230

■ 27.4351, 29.8141,
34.4461

■ 13.3250, 17.4223,
32.7979

■ 30.6063, 32.0875,
34.7177

■ 13.2727, 17.3456,
32.7858

■ 34.1587, 34.5718,
35.0100

■ 38.1057, 37.2739,
35.3235

■ 42.4599, 40.2003,
35.6589

■ 47.2331, 43.3575,
36.0167

Harmonies

Analogous

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



17.4515, 22.6758, 26.6831



18.2697, 22.6758, 33.5509



19.9831, 22.6758, 38.5589

Triad

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



18.2697, 22.6758, 33.5509



25.9672, 22.6758, 29.5918



20.8818, 22.6758, 14.1250

Complementary

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



18.2697, 22.6758, 33.5509



18.2534, 14.8048, 9.1038

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.



23.2024, 22.6758, 14.6233



18.2697, 22.6758, 33.5509



26.2508, 22.6758, 22.7989

Square

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



18.2697, 22.6758, 33.5509



24.4578, 22.6758, 36.0039



25.2071, 22.6758, 17.5453



18.8872, 22.6758, 16.0359

Rectangle

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



18.2697, 22.6758, 33.5509



21.4577, 22.6758, 39.7291



25.2071, 22.6758, 17.5453



21.6480, 22.6758, 14.0246

Sweetspot

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



18.2704, 22.6767, 33.5514



45.9049, 51.0242, 61.4012



16.4004, 25.1493, 13.7753



9.9289, 11.1125, 13.5391



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.



18.2704, 22.6767, 33.5514



29.7701, 37.9572, 59.7294



13.7424, 13.6207, 32.0421



6.2935, 6.8443, 7.9184



10.9909, 14.3784, 27.1037



0.1855, 0.2573, 0.4123

Inverse Universe

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



20.5954, 14.1151, 26.4509



34.6024, 21.3322, 44.7094



22.2316, 22.7612, 10.4299



6.4153, 6.3053, 7.5668



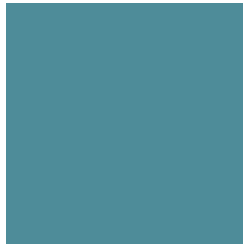
14.0064, 6.8568, 17.0908



0.2201, 0.1068, 0.3118

Previews

White Background



This preview shows how the XYZ color 18.2697, 22.6758, 33.5509 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 18.2697, 22.6758, 33.5509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

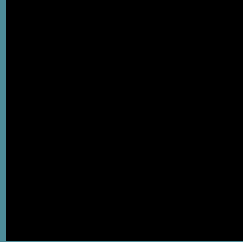
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2697, 22.6758, 33.5509

Background



This preview shows how black text looks on a background with the XYZ color 18.2697, 22.6758, 33.5509.



This preview shows how white text looks on a background with the XYZ color 18.2697, 22.6758,

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

18.2697, 22.6758, 33.5509

Protanopia

21.9407, 22.3650, 30.3546

Deuteranopia

22.9502, 22.4043, 34.5674



Tritanopia

18.1875, 22.6429, 33.1177

Trichromacy



Original Color

18.2697, 22.6758, 33.5509

Protanomaly

20.2428, 22.2600, 31.6635

Deuteranomaly

20.8498, 22.3138, 34.2184

Tritanomaly

18.1875, 22.6429, 33.1177

Monochromacy



Original Color

18.2697, 22.6758, 33.5509

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.2167, 20.5475, 25.5602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2697, 22.6758, 33.5509 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(78, 140, 153)` looks like.

```
.text, #text, p{  
  color:rgb(78, 140, 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(78, 140, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 140, 153) }
```

Border

The CSS property to change the border of an element to XYZ 18.2697, 22.6758, 33.5509 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(78, 140, 153) }
```


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

```
.border{ border-color:rgb(78, 140, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 140, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 140, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 140, 153);  
box-shadow:4px 4px 4px 4px rgb(78, 140,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2697, 22.6758, 33.5509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 140, 153) }
```

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

```
.background{ background-color: rgb(78, 140,  
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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