

Converting Colors

XYZ(19.8684, 22.2337, 33.3813)

Have a look what the booklet for
XYZ(19.8684, 22.2337, 33.3813)
contains.

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Color

**XYZ(19.8684, 22.2337,
33.3813)**

Conversions

Conversions Part 1

Format	Color
Hex	678699
RGB	103, 134, 153
RGB Percent	40%, 53%, 60%
CMY	0.5961, 0.4745, 0.4000
CMYK	0.33, 0.12, 0.00, 0.40
HSL	203°, 20%, 50%
HSV	203°, 33%, 60%
XYZ	19.8684, 22.2337, 33.3813
YIQ	126.8970, -24.5750, -0.6630

Conversions

Conversions Part 2

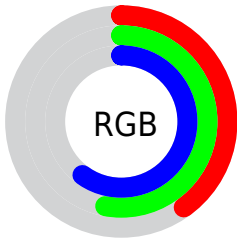
Format	Color
R_{YB}	103, 122, 153
Decimal	6784665
CIE _{Lab}	54.27, -6.16, -13.70
CIE _{LCh}	54, 15.019, 245.769
Yxy	22.2337, 0.2632, 0.2946
Android (android.graphics.Color)	4284974745 (0xFF678699)
YUV	126.8970, 12.8688, -20.9577
Hunter-Lab	47.1526, -7.3037, -8.9670

Details

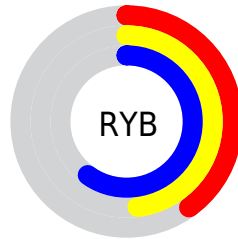
The XYZ color **19.8684, 22.2337, 33.3813** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.5449, 21.6709, 15.8272**, and the grayscale version is **20.1013, 21.1482, 23.0304**.

A 20% lighter version of the original color is **42.5504, 47.0142, 65.8635**, and **7.0368, 8.0568, 13.7546** is the 20% darker color. If you saturate the color by 10%, you get **17.4901, 19.8479, 33.0465**, and if you desaturate by 10%, it is **22.6134, 24.8752, 33.7469**.

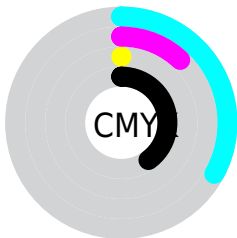
Distribution



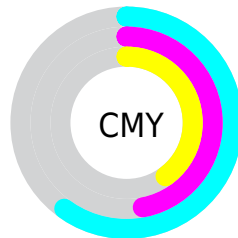
- Red (40%)
- Green (53%)
- Blue (60%)



- Red (40%)
- Yellow (48%)
- Blue (60%)



- Cyan (33%)
- Magenta (12%)
- Yellow (0%)
- Black (40%)



- Cyan (60%)
- Magenta (47%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8684, 22.2337, 33.3813 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 19.8684, 22.2337, 33.3813 by changing the saturation by 10% instead.

■ 19.8684, 22.2337,
33.3813

■ 19.8684, 22.2337,
33.3813

244.0490,
263.7643, 332.0490

■ 12.4071, 14.0287,
22.1452

■ 42.7021, 47.1319,
66.0932

■ 7.0958, 8.1406,
13.7643

■ 58.8052, 64.5940,
88.4061

■ 3.5689, 4.1851,
7.8200

■ 78.5196, 85.9105,
115.2484

■ 1.4613, 1.7776,
3.8939

■ 102.2107,
111.4660, 147.0386

■ 0.2993, 0.4732,
1.5673

130.2438,
141.6447, 184.1952

■ 0.0000, 0.0000,
0.2673

162.9843,

■ 0.0000, 0.0000,

176.8310, 227.1367

0.0000

200.7976,
217.4094, 276.2818

■ 19.8684, 22.2337,
33.3813

■ 19.8684, 22.2337,
33.3813

■ 17.4901, 19.8479,
33.0465

■ 22.6134, 24.8752,
33.7469

■ 15.4581, 17.7046,
32.7399

■ 25.7400, 27.7795,
34.1427

■ 13.7534, 15.7935,
32.4609

■ 29.2646, 30.9566,
34.5701

■ 12.3536, 14.1020,
32.2082

■ 33.2021, 34.4151,
35.0302

■ 11.2337, 12.6161,
31.9804

■ 37.5664, 38.1632,
35.5236

■ 10.3638, 11.3191,
31.7759

■ 42.3710, 42.2087,
36.0512

■ 9.8299, 10.4600,
31.6382

■ 47.6287, 46.5592,
36.6138

■ 53.3517, 51.2218,
37.2122

■ 59.5517, 56.2035,
37.8470

Harmonies

Analogous

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



18.6831, 22.2337, 29.8615



19.8684, 22.2337, 33.3813



21.4500, 22.2337, 34.3160

Triad

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



19.8684, 22.2337, 33.3813



24.4169, 22.2337, 23.3150



19.3478, 22.2337, 17.6141

Complementary

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



19.8684, 22.2337, 33.3813



22.5449, 21.6709, 15.8272

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.



20.8181, 22.2337, 16.3109



19.8684, 22.2337, 33.3813



23.7870, 22.2337, 19.3185

Square

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



19.8684, 22.2337, 33.3813



24.1306, 22.2337, 28.0948



22.4490, 22.2337, 16.8922



18.3936, 22.2337, 20.6986

Rectangle

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



19.8684, 22.2337, 33.3813



22.5288, 22.2337, 33.2549



22.4490, 22.2337, 16.8922



19.7951, 22.2337, 16.9726

Sweetspot

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



19.8691, 22.2346, 33.3818



47.5955, 51.1149, 61.3296



20.4569, 27.0551, 22.3411



10.3371, 11.1298, 13.5209



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.



19.8691, 22.2346, 33.3818



32.4957, 36.7420, 59.3512



16.8839, 16.2642, 32.3867



6.1873, 6.6319, 7.8830



8.1569, 8.7106, 26.1591



0.1568, 0.2000, 0.4027

Inverse Universe

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



22.2908, 18.1946, 24.8923



37.6055, 28.7639, 41.3157



25.9158, 28.4127, 16.9509



6.3616, 6.2838, 7.2845



12.5760, 6.2846, 9.5582



0.2056, 0.1010, 0.2357

Previews

White Background



This preview shows how the XYZ color 19.8684, 22.2337, 33.3813 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 19.8684, 22.2337, 33.3813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

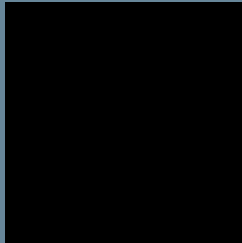
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

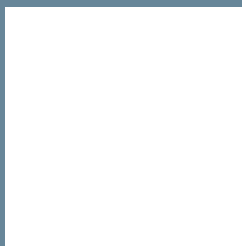
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8684, 22.2337, 33.3813

Background



This preview shows how black text looks on a background with the XYZ color 19.8684, 22.2337, 33.3813.



This preview shows how white text looks on a background with the XYZ color 19.8684, 22.2337,

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

19.8684, 22.2337, 33.3813

Protanopia

21.7482, 22.0439, 31.5424

Deuteranopia

22.5832, 22.0341, 34.0731



Tritanopia

19.2191, 22.1700, 30.4604

Trichromacy



Original Color

19.8684, 22.2337, 33.3813

Protanomaly

20.9589, 22.0188, 31.9996

Deuteranomaly

21.4287, 22.0267, 33.6940

Tritanomaly

19.5683, 22.3227, 31.7111

Monochromacy



Original Color

19.8684, 22.2337, 33.3813

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.8978, 21.5944, 26.4120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8684, 22.2337, 33.3813 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, 134, 153)` looks like.

```
.text, #text, p{  
    color:rgb(103, 134, 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(103, 134, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 134, 153) }
```

Border

The CSS property to change the border of an element to XYZ 19.8684, 22.2337, 33.3813 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, 134, 153) }
```


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

```
.border{ border-color:rgb(103, 134, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 134, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 134, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 134, 153);  
box-shadow:4px 4px 4px 4px rgb(103, 134,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8684, 22.2337, 33.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 134, 153) }
```

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

```
.background{ background-color: rgb(103,  
134, 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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