

Converting Colors

XYZ(22.6875, 22.6553, 34.2771)

Have a look what the booklet for
XYZ(22.6875, 22.6553, 34.2771)
contains.

XYZ(22.6687, 22.6563, 34.1887)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.6687, 22.6563,
34.1887)**

Conversions

Conversions Part 1

Format	Color
Hex	80819B
RGB	128, 129, 155
RGB Percent	50%, 51%, 61%
CMY	0.4980, 0.4941, 0.3922
CMYK	0.17, 0.17, 0.00, 0.39
HSL	238°, 12%, 55%
HSV	238°, 17%, 61%
XYZ	22.6687, 22.6563, 34.1887
YIQ	131.6650, -8.9420, 7.8740

Conversions

Conversions Part 2

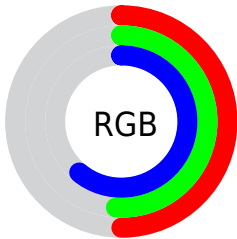
Format	Color
R_{YB}	128, 129, 155
Decimal	8421787
CIE Lab	54.72, 5.26, -14.01
CIE LCh	55, 14.967, 290.583
Yxy	22.6563, 0.2851, 0.2849
Android (android.graphics.Color)	4286611867 (0xFF80819B)
YUV	131.6650, 11.5042, -3.2142
Hunter-Lab	47.5986, 1.7125, -9.2672

Details

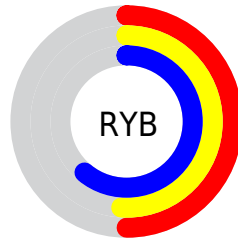
The XYZ color **22.6687, 22.6563, 34.1887** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **28.9695, 31.6380, 25.0023**, and the grayscale version is **21.7744, 22.9084, 24.9472**.

A 20% lighter version of the original color is **47.2926, 47.8831, 67.0714**, and **8.5092, 8.3565, 14.2612** is the 20% darker color. If you saturate the color by 10%, you get **18.6887, 17.8966, 33.4801**, and if you desaturate by 10%, it is **27.2935, 28.1758, 35.0107**.

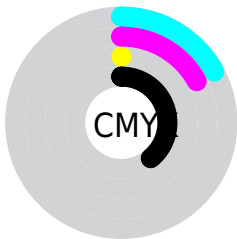
Distribution



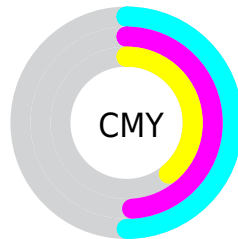
- Red (50%)
- Green (51%)
- Blue (61%)



- Red (50%)
- Yellow (51%)
- Blue (61%)



- Cyan (17%)
- Magenta (17%)
- Yellow (0%)
- Black (39%)



- Cyan (50%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6687, 22.6563, 34.1887 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 22.6687, 22.6563, 34.1887 by changing the saturation by 10% instead.

■ 22.6687, 22.6563,
34.1887

■ 22.6687, 22.6563,
34.1887

258.5860,
265.9547, 335.7674

■ 14.4684, 14.3399,
22.7601

■ 47.3194, 47.8284,
67.3643

■ 8.5310, 8.3575,
14.2128

■ 64.5006, 65.4528,
89.9483

■ 4.4912, 4.3245,
8.1284

■ 85.4061, 86.9488,
117.0878

■ 1.9836, 1.8567,
4.0883

110.4013,
112.7006, 149.2014

■ 0.6247, 0.5221,
1.6739

139.8515,
143.0928, 186.7076

■ 0.0000, 0.0000,
0.3427

174.1221,

■ 0.0000, 0.0000,

178.5095, 230.0250

0.0000

213.5785,
219.3354, 279.5721

■ 22.6687, 22.6563,
34.1887

■ 22.6687, 22.6563,
34.1887

■ 18.6887, 17.8966,
33.4801

■ 27.2935, 28.1758,
35.0107

■ 15.3227, 13.8609,
32.8785

■ 32.5876, 34.4833,
35.9491

■ 12.5410, 10.5144,
32.3792

■ 38.5770, 41.6092,
37.0089

■ 10.3102, 7.8186,
31.9765

■ 45.2856, 49.5811,
38.1940

■ 8.5936, 5.7313,
31.6640

■ 52.7362, 58.4258,
39.5085

■ 7.3502, 4.2050,
31.4350

■ 60.9505, 68.1685,
40.9561

■ 6.5326, 3.1855,
31.2813

■ 69.9494, 78.8335,
42.5404

■ 6.0708, 2.6009,
31.1928

■ 79.7529, 90.4442,
44.2648

■ 5.9789, 2.4915,
31.1765

■ 82.9165, 95.1466,
45.0057

Harmonies

Analogous

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



21.0192, 22.6563, 34.7605



22.6687, 22.6563, 34.1887



24.0789, 22.6563, 30.8988

Triad

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



22.6687, 22.6563, 34.1887



23.6118, 22.6563, 18.2950



18.5538, 22.6563, 23.2120

Complementary

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



22.6687, 22.6563, 34.1887



28.9695, 31.6380, 25.0023

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.



19.1753, 22.6563, 19.3382



22.6687, 22.6563, 34.1887



22.0574, 22.6563, 16.7480

Square

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



22.6687, 22.6563, 34.1887



24.6424, 22.6563, 21.6108



20.4381, 22.6563, 17.1038



18.6989, 22.6563, 28.0025

Rectangle

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



22.6687, 22.6563, 34.1887



24.6666, 22.6563, 27.8141



20.4381, 22.6563, 17.1038



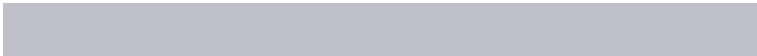
18.6788, 22.6563, 21.7702

Sweetspot

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



22.6694, 22.6572, 34.1892



50.9717, 52.9538, 63.0709



26.4274, 30.3537, 34.8856



11.4022, 11.8249, 14.2518



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.



22.6694, 22.6572, 34.1892



37.6178, 37.0146, 60.6981



24.4765, 23.3938, 34.2361



5.9019, 6.0613, 7.7878



4.8086, 2.0138, 25.0430



0.0762, 0.0387, 0.3758

Inverse Universe

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



25.1997, 23.9923, 24.0728



43.0397, 39.8895, 39.0179



26.9197, 30.8279, 24.9540



6.2176, 6.2262, 6.5261



10.8859, 5.6086, 0.6583



0.1649, 0.0847, 0.0212

Previews

White Background



This preview shows how the XYZ color 22.6687, 22.6563, 34.1887 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 22.6687, 22.6563, 34.1887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

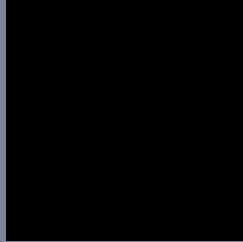
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.6687, 22.6563, 34.1887

Background



This preview shows how black text looks on a background with the XYZ color 22.6687, 22.6563, 34.1887.



This preview shows how white text looks on a background with the XYZ color 22.6687, 22.6563,

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

22.6687, 22.6563, 34.1887

Protanopia

22.5032, 22.7674, 34.2189

Deuteranopia

23.1513, 22.7104, 34.1737



Tritanopia

21.6030, 22.6212, 28.8189

Trichromacy



Original Color

22.6687, 22.6563, 34.1887

Protanomaly

22.6514, 22.8438, 34.2258

Deuteranomaly

22.9956, 22.6302, 34.1664

Tritanomaly

22.0015, 22.5839, 30.8033

Monochromacy



Original Color

22.6687, 22.6563, 34.1887

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.2100, 22.9513, 28.0704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6687, 22.6563, 34.1887 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(128, 129, 155)` looks like.

```
.text, #text, p{  
    color:rgb(128, 129, 155)  
}
```

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(128, 129, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 129, 155) }
```

Border

The CSS property to change the border of an element to XYZ 22.6687, 22.6563, 34.1887 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(128, 129, 155) }
```


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

```
.border{ border-color:rgb(128, 129, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 129, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 129, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 129, 155);  
box-shadow:4px 4px 4px 4px rgb(128, 129,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6687, 22.6563, 34.1887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 129, 155) }
```

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

```
.background{ background-color: rgb(128,  
129, 155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor