

Converting Colors

XYZ(19.7247, 22.8400, 30.4386)

Have a look what the booklet for
XYZ(19.7247, 22.8400, 30.4386)
contains.

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Color

**XYZ(19.7275, 22.8502,
30.5649)**

Conversions

Conversions Part 1

Format	Color
Hex	678992
RGB	103, 137, 146
RGB Percent	40%, 54%, 57%
CMY	0.5961, 0.4627, 0.4274
CMYK	0.29, 0.06, 0.00, 0.43
HSL	193°, 17%, 49%
HSV	193°, 29%, 57%
XYZ	19.7275, 22.8502, 30.5649
YIQ	127.8600, -23.1530, -4.4090

Conversions

Conversions Part 2

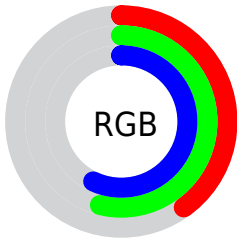
Format	Color
R_{YB}	103, 122, 146
Decimal	6785426
CIE _{Lab}	54.92, -9.64, -8.68
CIE _{LCh}	55, 12.974, 222.002
Yxy	22.8502, 0.2697, 0.3124
Android (android.graphics.Color)	4284975506 (0xFF678992)
YUV	127.8600, 8.9430, -21.8022
Hunter-Lab	47.8019, -9.9876, -4.4492

Details

The XYZ color **19.7275, 22.8502, 30.5649** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.0967, 18.6788, 15.3787**, and the grayscale version is **20.4456, 21.5104, 23.4248**.

A 20% lighter version of the original color is **42.3564, 47.9656, 61.6695**, and **7.0408, 8.4452, 12.3253** is the 20% darker color. If you saturate the color by 10%, you get **17.7689, 21.2054, 30.3510**, and if you desaturate by 10%, it is **21.9923, 24.6722, 30.7976**.

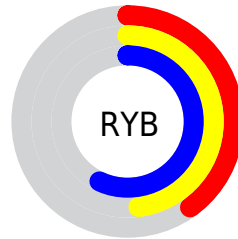
Distribution



Red (40%)

Green (54%)

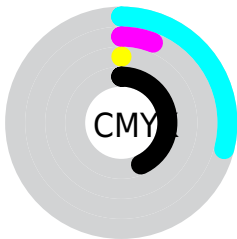
Blue (57%)



Red (40%)

Yellow (48%)

Blue (57%)

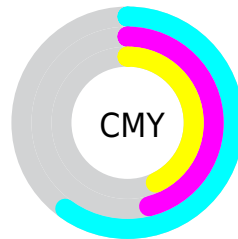


Cyan (29%)

Magenta (6%)

Yellow (0%)

Black (43%)



Cyan (60%)

Magenta (46%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7275, 22.8502, 30.5649 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 19.7275, 22.8502, 30.5649 by changing the saturation by 10% instead.

■ 19.7275, 22.8502,
30.5649

■ 19.7275, 22.8502,
30.5649

243.2978,
266.9547, 318.8177

■ 12.3042, 14.4829,
20.0121

■ 42.4673, 48.1472,
61.6259

■ 7.0249, 8.4573,
12.2197

■ 58.5145, 65.8458,
82.9712

■ 3.5241, 4.3889,
6.7691

■ 78.1671, 87.4236,
108.7510

■ 1.4366, 1.8934,
3.2419

■ 101.7904,
113.2650, 139.3840

■ 0.2821, 0.5444,
1.2194

129.7498,
143.7544, 175.2886

■ 0.0000, 0.0000,
0.0000

162.4106,

179.2762, 216.8834

200.1381,
220.2148, 264.5869

■ 19.7275, 22.8502,
30.5649

■ 19.7275, 22.8502,
30.5649

■ 17.7689, 21.2054,
30.3510

■ 21.9923, 24.6722,
30.7976

■ 16.0990, 19.7269,
30.1537

■ 24.5753, 26.6762,
31.0483

■ 14.7019, 18.4071,
29.9726

■ 27.4905, 28.8700,
31.3181

■ 13.5591, 17.2362,
29.8068

■ 30.7505, 31.2602,
31.6076

■ 12.6498, 16.2032,
29.6553

■ 34.3671, 33.8530,
31.9175

■ 11.9497, 15.2957,
29.5171

■ 38.3516, 36.6545,
32.2482

■ 11.3995, 14.4828,
29.3891

■ 42.7147, 39.6704,
32.6003

■ 11.3703, 14.4391,
29.3823

■ 47.4668, 42.9060,
32.9744

■ 52.6178, 46.3666,
33.3709

Harmonies

Analogous

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



19.1242, 22.8502, 26.5635



19.7275, 22.8502, 30.5649



20.8751, 22.8502, 33.1982

Triad

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



19.7275, 22.8502, 30.5649



24.4561, 22.8502, 27.4083



21.1484, 22.8502, 17.9093

Complementary

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



19.7275, 22.8502, 30.5649



20.0967, 18.6788, 15.3787

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.



22.5842, 22.8502, 18.0821



19.7275, 22.8502, 30.5649



24.5373, 22.8502, 23.2691

Square

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



19.7275, 22.8502, 30.5649



23.6220, 22.8502, 31.2418



23.8390, 22.8502, 19.9477



19.9200, 22.8502, 19.4463

Rectangle

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



19.7275, 22.8502, 30.5649



21.8152, 22.8502, 33.6642



23.8390, 22.8502, 19.9477



21.6220, 22.8502, 17.7745

Sweetspot

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



19.7282, 22.8511, 30.5654



43.4835, 47.1588, 54.7843



18.7753, 24.6028, 18.9725



9.5323, 10.3831, 12.1739



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.7282, 22.8511, 30.5654



32.5783, 38.4595, 53.6799



17.0162, 17.4272, 29.6614



5.8622, 6.3583, 7.3880



10.0220, 12.7388, 25.8617



0.1434, 0.1974, 0.3235

Inverse Universe

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



21.2202, 17.6182, 25.9501



35.6781, 27.9513, 44.0098



22.7039, 23.8932, 16.2478



5.9839, 5.8886, 7.0212



13.1857, 6.4793, 14.9909



0.1719, 0.0835, 0.2387

Previews

White Background



This preview shows how the XYZ color 19.7275, 22.8502, 30.5649 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 19.7275, 22.8502, 30.5649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

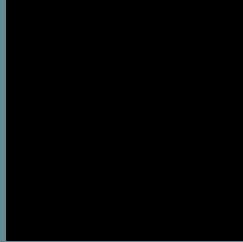
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7275, 22.8502, 30.5649

Background



This preview shows how black text looks on a background with the XYZ color 19.7275, 22.8502, 30.5649.



This preview shows how white text looks on a background with the XYZ color 19.7275, 22.8502,

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

19.7275, 22.8502, 30.5649

Protanopia

22.0710, 22.6641, 28.8025

Deuteranopia

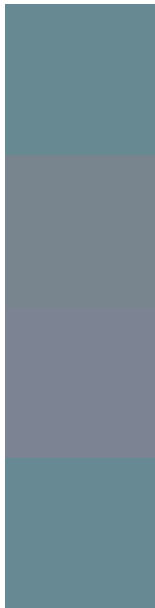
23.2178, 22.8107, 31.1962



Tritanopia

19.8845, 22.9130, 31.3916

Trichromacy



Original Color

19.7275, 22.8502, 30.5649

Protanomaly

21.0912, 22.7513, 29.2664

Deuteranomaly

21.6949, 22.6243, 30.8272

Tritanomaly

19.8056, 22.8815, 30.9765

Monochromacy



Original Color

19.7275, 22.8502, 30.5649

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.0972, 21.9038, 26.0903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7275, 22.8502, 30.5649 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, 137, 146)` looks like.

```
.text, #text, p{  
    color:rgb(103, 137, 146)  
}
```

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, 137, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 137, 146) }
```

Border

The CSS property to change the border of an element to XYZ 19.7275, 22.8502, 30.5649 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, 137, 146) }
```


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

```
.border{ border-color:rgb(103, 137, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 137, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 137, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 137, 146);  
box-shadow:4px 4px 4px 4px rgb(103, 137,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7275, 22.8502, 30.5649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 137, 146) }
```

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

```
.background{ background-color: rgb(103,  
137, 146) }
```

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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