

Converting Colors

XYZ(19.6475, 22.4761, 31.5670)

Have a look what the booklet for
XYZ(19.6475, 22.4761, 31.5670)
contains.

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Color

**XYZ(19.7085, 22.6030,
31.7578)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 668895 |
| RGB | 102, 136, 149 |
| RGB Percent | 40%, 53%, 58% |
| CMY | 0.6000, 0.4667, 0.4157 |
| CMYK | 0.32, 0.09, 0.00, 0.42 |
| HSL | 197°, 19%, 49% |
| HSV | 197°, 32%, 58% |
| XYZ | 19.7085, 22.6030, 31.7578 |
| YIQ | 127.3160, -24.4370, -3.1650 |

Conversions

Conversions Part 2

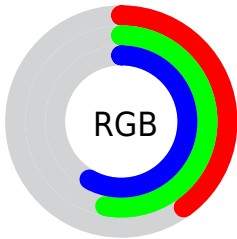
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 102, 122, 149 |
| Decimal | 6719637 |
| CIE _{Lab} | 54.66, -8.63, -10.81 |
| CIE _{LCh} | 55, 13.830, 231.388 |
| Yxy | 22.6030, 0.2661, 0.3052 |
| Android (android.graphics.Color) | 4284909717 (0xFF668895) |
| YUV | 127.3160, 10.6902, -22.2021 |
| Hunter-Lab | 47.5426, -9.2035, -6.3251 |

Details

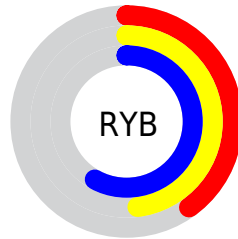
The XYZ color **19.7085, 22.6030, 31.7578** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.9239, 19.6107, 15.2535**, and the grayscale version is **20.2524, 21.3071, 23.2034**.

A 20% lighter version of the original color is **42.3035, 47.5770, 63.4536**, and **7.0006, 8.2943, 12.7873** is the 20% darker color. If you saturate the color by 10%, you get **17.6002, 20.6715, 31.4965**, and if you desaturate by 10%, it is **22.1441, 24.7374, 32.0418**.

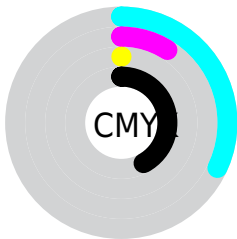
Distribution



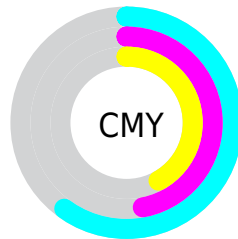
- Red (40%)
- Green (53%)
- Blue (58%)



- Red (40%)
- Yellow (48%)
- Blue (58%)



- Cyan (32%)
- Magenta (9%)
- Yellow (0%)
- Black (42%)



- Cyan (60%)
- Magenta (47%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7085, 22.6030, 31.7578 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 19.7085, 22.6030, 31.7578 by changing the saturation by 10% instead.

■ 19.7085, 22.6030,
31.7578

■ 19.7085, 22.6030,
31.7578

243.1964,
265.6793, 324.4731

■ 12.2904, 14.3006,
20.9133

■ 42.4356, 47.7406,
63.5247

■ 7.0153, 8.3301,
12.8700

■ 58.4753, 65.3447,
85.2842

■ 3.5181, 4.3069,
7.2094

■ 78.1195, 86.8181,
111.5190

■ 1.4333, 1.8467,
3.5130

■ 101.7336,
112.5453, 142.6478

■ 0.2798, 0.5160,
1.3622

129.6830,
142.9106, 179.0891

■ 0.0000, 0.0000,
0.1119

162.3331,

■ 0.0000, 0.0000,

178.2984, 221.2613

0.0000

200.0491,
219.0932, 269.5832

■ 19.7085, 22.6030,
31.7578

■ 19.7085, 22.6030,
31.7578

■ 17.6002, 20.6715,
31.4965

■ 22.1441, 24.7374,
32.0418

■ 15.8005, 18.9314,
31.2555

■ 24.9201, 27.0802,
32.3477

■ 14.2921, 17.3738,
31.0343

■ 28.0516, 29.6402,
32.6768

■ 13.0550, 15.9882,
30.8321

■ 31.5520, 32.4245,
33.0297

■ 12.0664, 14.7622,
30.6475

■ 35.4340, 35.4401,
33.4072

■ 11.2997, 13.6819,
30.4794

■ 39.7097, 38.6935,
33.8098

■ 10.7654, 12.8511,
30.3472

■ 44.3907, 42.1911,
34.2382

■ 49.4881, 45.9389,
34.6929

■ 55.0124, 49.9426,
35.1745

Harmonies

Analogous

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



18.8721, 22.6030, 27.7955



19.7085, 22.6030, 31.7578



21.0482, 22.6030, 33.8623

Triad

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



19.7085, 22.6030, 31.7578



24.5088, 22.6030, 25.8873



20.4338, 22.6030, 17.6027

Complementary

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



19.7085, 22.6030, 31.7578



20.9239, 19.6107, 15.2535

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.



21.9247, 22.6030, 17.2195



19.7085, 22.6030, 31.7578



24.3252, 22.6030, 21.6792

Square

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



19.7085, 22.6030, 31.7578



23.8523, 22.6030, 30.2203



23.3619, 22.6030, 18.6256



19.2770, 22.6030, 19.7424

Rectangle

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



19.7085, 22.6030, 31.7578



22.0665, 22.6030, 33.7752



23.3619, 22.6030, 18.6256



20.9108, 22.6030, 17.2751

Sweetspot

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



19.7092, 22.6039, 31.7583



45.8931, 49.5428, 58.0651



19.2952, 25.5472, 19.9940



10.0114, 10.8480, 12.8510



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.7092, 22.6039, 31.7583



32.5091, 37.9434, 56.5316



16.8064, 16.7982, 30.7907



5.8299, 6.2938, 7.3773



9.0862, 10.8671, 25.5497



0.1360, 0.1825, 0.3210

Inverse Universe

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



21.5903, 17.6706, 25.5663



36.5168, 27.9473, 43.2244



23.8864, 25.5359, 16.2411



5.9676, 5.8821, 6.9354



12.7134, 6.2904, 12.5034



0.1681, 0.0820, 0.2189

Previews

White Background



This preview shows how the XYZ color 19.7085, 22.6030, 31.7578 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 19.7085, 22.6030, 31.7578 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

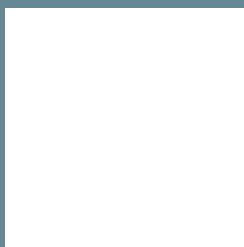
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7085, 22.6030, 31.7578

Background



This preview shows how black text looks on a background with the XYZ color 19.7085, 22.6030, 31.7578.



This preview shows how white text looks on a background with the XYZ color 19.7085, 22.6030,

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

19.7085, 22.6030, 31.7578

Protanopia

21.8632, 22.3340, 29.9467

Deuteranopia

22.8482, 22.3997, 32.3975



Tritanopia

19.5501, 22.5397, 30.9240

Trichromacy



Original Color

19.7085, 22.6030, 31.7578

Protanomaly

21.0473, 22.4998, 30.4277

Deuteranomaly

21.5137, 22.3048, 32.0255

Tritanomaly

19.6289, 22.5712, 31.3391

Monochromacy



Original Color

19.7085, 22.6030, 31.7578

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.8270, 21.5661, 26.0393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7085, 22.6030, 31.7578 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(102, 136, 149)` looks like.

```
.text, #text, p{  
    color:rgb(102, 136, 149)  
}
```

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(102, 136, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 136, 149) }
```

Border

The CSS property to change the border of an element to XYZ 19.7085, 22.6030, 31.7578 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(102, 136, 149) }
```


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

```
.border{ border-color:rgb(102, 136, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 136, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 136, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 136, 149);  
box-shadow:4px 4px 4px 4px rgb(102, 136,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7085, 22.6030, 31.7578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 136, 149) }
```

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

```
.background{ background-color: rgb(102,  
136, 149) }
```

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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