

Converting Colors

XYZ(19.7196, 25.7202, 32.7793)

Have a look what the booklet for
XYZ(19.7196, 25.7202, 32.7793)
contains.

XYZ(19.7196, 25.7202, 32.7793)	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(19.7196, 25.7202,
32.7793)**

Conversions

Conversions Part 1

Format	Color
Hex	509696
RGB	80, 150, 150
RGB Percent	31%, 59%, 59%
CMY	0.6863, 0.4118, 0.4118
CMYK	0.47, 0.00, 0.00, 0.41
HSL	180°, 30%, 45%
HSV	180°, 47%, 59%
XYZ	19.7196, 25.7202, 32.7793
YIQ	129.0700, -41.7200, -14.8400

Conversions

Conversions Part 2

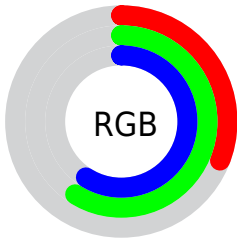
Format	Color
RYB	80, 115, 150
Decimal	5281430
CIELab	57.77, -21.98, -6.85
CIELCh	58, 23.021, 197.316
Yxy	25.7202, 0.2521, 0.3288
Android (android.graphics.Color)	4283471510 (0xFF509696)
YUV	129.0700, 10.3185, -43.0344
Hunter-Lab	50.7151, -19.3451, -2.8211

Details

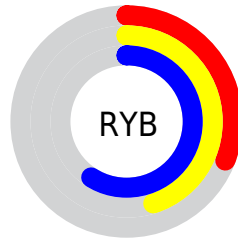
The XYZ color **19.7196, 25.7202, 32.7793** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.8952, 12.8012, 9.1706**, and the grayscale version is **20.8668, 21.9535, 23.9074**.

A 20% lighter version of the original color is **42.3235, 52.6137, 65.0515**, and **7.0232, 9.9840, 13.3613** is the 20% darker color. If you saturate the color by 10%, you get **18.5920, 25.1395, 32.7269**, and if you desaturate by 10%, it is **21.1315, 26.4487, 32.8461**.

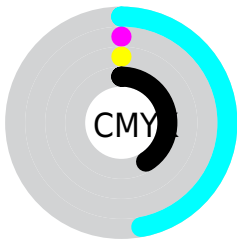
Distribution



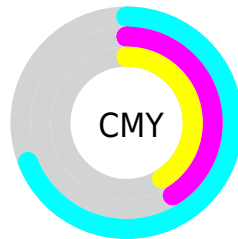
- Red (31%)
- Green (59%)
- Blue (59%)



- Red (31%)
- Yellow (45%)
- Blue (59%)



- Cyan (47%)
- Magenta (0%)
- Yellow (0%)
- Black (41%)



- Cyan (69%)
- Magenta (41%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7196, 25.7202, 32.7793 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 19.7196, 25.7202, 32.7793 by changing the saturation by 10% instead.

■ 19.7196, 25.7202,
32.7793

■ 19.7196, 25.7202,
32.7793

243.2557,
281.4058, 329.2555

■ 12.2985, 16.6144,
21.6877

■ 42.4541, 52.8232,
65.1428

■ 7.0209, 9.9600,
13.4315

■ 58.4982, 71.5893,
87.2519

■ 3.5216, 5.3724,
7.5921

■ 78.1473, 94.3442,
113.8704

■ 1.4352, 2.4674,
3.7511

■ 101.7668,
121.4724, 145.4171

■ 0.2811, 0.8602,
1.4898

■ 129.7220,
153.3583, 182.3104

■ 0.0000, 0.0000,
0.2103

162.3783,

■ 0.0000, 0.0000,

190.3862, 224.9689

0.0000

200.1011,
232.9406, 273.8111

■ 19.7196, 25.7202,
32.7793

■ 19.7196, 25.7202,
32.7793

■ 18.5920, 25.1395,
32.7269

■ 21.1315, 26.4487,
32.8461

■ 17.7273, 24.6938,
32.6863

■ 22.8427, 27.3308,
32.9263

■ 17.1050, 24.3729,
32.6570

■ 24.8699, 28.3759,
33.0214

■ 16.7003, 24.1643,
32.6379

■ 27.2278, 29.5914,
33.1319

■ 16.4743, 24.0478,
32.6272

■ 29.9304, 30.9846,
33.2585

■ 16.4117, 24.0156,
32.6242

■ 32.9905, 32.5622,
33.4019

■ 36.4208, 34.3305,
33.5626

■ 40.2328, 36.2957,
33.7411

■ 44.4380, 38.4636,
33.9381

Harmonies

Analogous

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



19.6235, 25.7202, 24.7971



19.7196, 25.7202, 32.7793



21.0204, 25.7202, 40.7365

Triad

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



19.7196, 25.7202, 32.7793



28.5608, 25.7202, 39.6308



25.6307, 25.7202, 15.6351

Complementary

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



19.7196, 25.7202, 32.7793



16.8952, 12.8012, 9.1706

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.



28.2255, 25.7202, 18.2479



19.7196, 25.7202, 32.7793



30.0008, 25.7202, 31.4782

Square

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



19.7196, 25.7202, 32.7793



26.0610, 25.7202, 45.1750



29.8737, 25.7202, 23.7182



22.8997, 25.7202, 15.8518

Rectangle

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



19.7196, 25.7202, 32.7793



22.4553, 25.7202, 44.5084



29.8737, 25.7202, 23.7182



26.5516, 25.7202, 16.1874

Sweetspot

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



19.7204, 25.7212, 32.7799



44.8287, 50.5600, 58.3172



15.7627, 24.1496, 11.4205



9.7629, 11.1162, 12.9158



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.



19.7204, 25.7212, 32.7799



32.7332, 44.3246, 57.7499



15.0786, 16.4375, 31.2334



5.9641, 6.5622, 7.4220



13.6110, 19.9172, 27.0567



0.1666, 0.2438, 0.3312

Inverse Universe

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



16.8952, 12.8012, 9.1706



27.1174, 18.6431, 10.8209



20.0251, 19.0612, 10.2136



5.8008, 5.8154, 6.0572



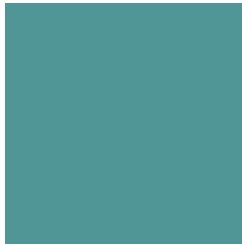
10.4317, 5.3777, 0.4883



0.1277, 0.0658, 0.0060

Previews

White Background



This preview shows how the XYZ color 19.7196, 25.7202, 32.7793 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 19.7196, 25.7202, 32.7793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

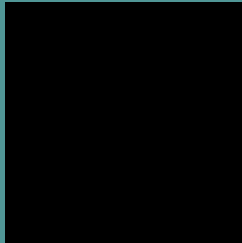
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7196, 25.7202, 32.7793

Background



This preview shows how black text looks on a background with the XYZ color 19.7196, 25.7202, 32.7793.

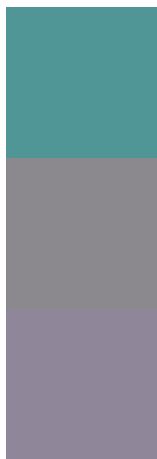


This preview shows how white text looks on a background with the XYZ color 19.7196, 25.7202,

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

19.7196, 25.7202, 32.7793

Protanopia

24.4756, 25.3333, 29.1910

Deuteranopia

25.7765, 25.2794, 33.6578



Tritanopia

20.5023, 25.5569, 37.1101

Trichromacy



Original Color

19.7196, 25.7202, 32.7793

Protanomaly

22.2550, 25.2419, 30.4873

Deuteranomaly

22.9307, 25.0881, 33.3397

Tritanomaly

20.2279, 25.6890, 35.3448

Monochromacy



Original Color

19.7196, 25.7202, 32.7793

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.0166, 23.0770, 27.0662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7196, 25.7202, 32.7793 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(80, 150, 150)` looks like.

```
.text, #text, p{  
    color:rgb(80, 150, 150)  
}
```

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(80, 150, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 150, 150) }
```

Border

The CSS property to change the border of an element to XYZ 19.7196, 25.7202, 32.7793 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(80, 150, 150) }
```


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

```
.border{ border-color:rgb(80, 150, 150) }
```

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

Here you see how a box with a 4 pixel rgb(80, 150, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 150, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 150, 150);  
box-shadow:4px 4px 4px 4px rgb(80, 150,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7196, 25.7202, 32.7793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 150, 150) }
```

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

```
.background{ background-color: rgb(80, 150,  
150) }
```

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