

Converting Colors

XYZ(14.4266, 20.6252, 22.0560)

Have a look what the booklet for
XYZ(14.4266, 20.6252, 22.0560)
contains.

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Color

**XYZ(14.4951, 20.7652,
21.9830)**

Conversions

Conversions Part 1

Format	Color
Hex	398B7B
RGB	57, 139, 123
RGB Percent	22%, 55%, 48%
CMY	0.7765, 0.4549, 0.5176
CMYK	0.59, 0.00, 0.12, 0.45
HSL	168°, 42%, 38%
HSV	168°, 59%, 55%
XYZ	14.4951, 20.7652, 21.9830
YIQ	112.6580, -43.7360, -22.3600

Conversions

Conversions Part 2

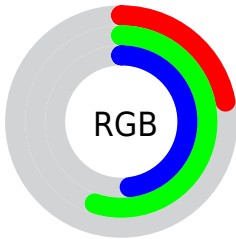
Format	Color
RYB	57, 102, 139
Decimal	3771259
CIELab	52.69, -28.95, 1.10
CIElCh	53, 28.970, 177.815
Yxy	20.7652, 0.2532, 0.3628
Android (android.graphics.Color)	4281961339 (0xFF398B7B)
YUV	112.6580, 5.0986, -48.8121
Hunter-Lab	45.5688, -22.9660, 3.2959

Details

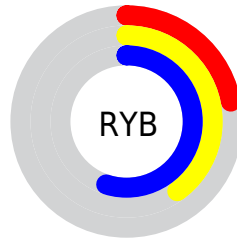
The XYZ color **14.4951, 20.7652, 21.9830** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.3139, 8.8968, 7.3195**, and the grayscale version is **15.5900, 16.4019, 17.8616**.

A 20% lighter version of the original color is **33.4899, 44.6798, 47.4164**, and **4.7258, 7.4739, 7.6721** is the 20% darker color. If you saturate the color by 10%, you get **13.6413, 20.3449, 21.0693**, and if you desaturate by 10%, it is **15.5718, 21.3009, 22.9327**.

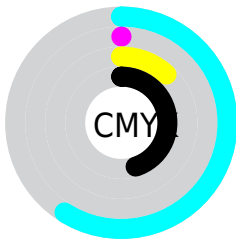
Distribution



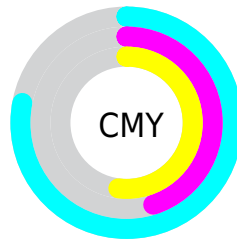
- Red (22%)
- Green (55%)
- Blue (48%)



- Red (22%)
- Yellow (40%)
- Blue (55%)



- Cyan (59%)
- Magenta (0%)
- Yellow (12%)
- Black (45%)



- Cyan (78%)
- Magenta (45%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4951, 20.7652, 21.9830 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 14.4951, 20.7652, 21.9830 by changing the saturation by 10% instead.

■ 14.4951, 20.7652,
21.9830

■ 14.4951, 20.7652,
21.9830

213.7390,
256.0280, 275.4081

■ 8.5498, 12.9525,
13.6462

■ 33.5439, 44.6964,
47.6197

■ 4.5035, 7.3958,
7.7391

■ 47.3782, 61.5837,
65.7567

■ 1.9907, 3.7109,
3.8431

■ 64.5728, 82.2647,
87.9976

■ 0.6287, 1.5132,
1.5397

■ 85.4932, 107.1237,
114.7608

■ 0.0000, 0.2980,
0.2472

■ 110.5047,
136.5451, 146.4649

■ 0.0000, 0.0000,
0.0000

139.9725,

170.9134, 183.5285

174.2622,
210.6129, 226.3700

■ 14.4951, 20.7652,
21.9830

■ 14.4951, 20.7652,
21.9830

■ 13.6413, 20.3449,
21.0693

■ 15.5718, 21.3009,
22.9327

■ 12.9903, 20.0281,
20.1889

■ 16.8858, 21.9578,
23.9177

■ 12.5216, 19.8048,
19.3413

■ 18.4523, 22.7444,
24.9396

■ 12.1836, 19.6483,
18.5237

■ 20.2848, 23.6675,
25.9990

■ 12.1508, 19.6331,
18.4427

■ 22.3957, 24.7336,
27.0968

■ 24.7968, 25.9488,
28.2337

■ 27.4990, 27.3186,
29.4103

■ 30.5128, 28.8484,
30.6275

■ 33.8481, 30.5434,
31.8857

Harmonies

Analogous

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



15.2284, 20.7652, 14.8735



14.4951, 20.7652, 21.9830



15.0433, 20.7652, 31.2691

Triad

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



14.4951, 20.7652, 21.9830



22.5653, 20.7652, 40.6885



22.9862, 20.7652, 11.2740

Complementary

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



14.4951, 20.7652, 21.9830



13.3139, 8.8968, 7.3195

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.



25.3170, 20.7652, 15.7178



14.4951, 20.7652, 21.9830



25.0571, 20.7652, 32.6491

Square

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



14.4951, 20.7652, 21.9830



19.5166, 20.7652, 43.5724



26.1104, 20.7652, 23.2483



19.9584, 20.7652, 9.7524

Rectangle

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



14.4951, 20.7652, 21.9830



16.0963, 20.7652, 37.2669



26.1104, 20.7652, 23.2483



23.8884, 20.7652, 12.4093

Sweetspot

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



14.4957, 20.7660, 21.9835



36.5378, 42.4901, 46.6739



12.7498, 20.1937, 7.0970



8.2085, 9.6845, 10.6386



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



14.4957, 20.7660, 21.9835



23.9742, 36.2107, 37.1630



12.4107, 14.8597, 26.6412



5.1317, 5.6722, 6.2146



10.9722, 17.7215, 16.6763



0.0778, 0.1197, 0.1369

Inverse Universe

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



13.3139, 8.8968, 7.3195



21.6789, 12.8752, 8.4733



14.3739, 11.7594, 5.3834



5.0702, 5.0635, 5.4581



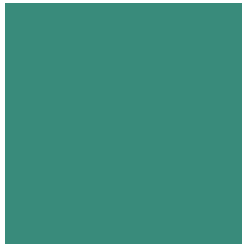
9.7949, 5.0281, 1.4243



0.0693, 0.0351, 0.0317

Previews

White Background



This preview shows how the XYZ color 14.4951, 20.7652, 21.9830 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 14.4951, 20.7652, 21.9830 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 14.4951, 20.7652, 21.9830

Background



This preview shows how black text looks on a background with the XYZ color 14.4951, 20.7652, 21.9830.

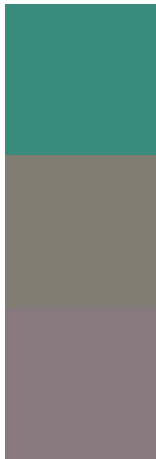


This preview shows how white text looks on a background with the XYZ color 14.4951, 20.7652,

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

14.4951, 20.7652, 21.9830

Protanopia

19.6340, 20.6509, 19.1708

Deuteranopia

20.8215, 20.4413, 22.9268



Tritanopia

16.3174, 20.8732, 30.7727

Trichromacy



Original Color

14.4951, 20.7652, 21.9830

Protanomaly

16.8462, 20.1568, 20.1423

Deuteranomaly

17.5485, 20.0705, 22.6878

Tritanomaly

15.5830, 20.7831, 27.2350

Monochromacy



Original Color

14.4951, 20.7652, 21.9830

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.6846, 17.5306, 19.4394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4951, 20.7652, 21.9830 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(57, 139, 123)` looks like.

```
.text, #text, p{  
    color:rgb(57, 139, 123)  
}
```

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(57, 139, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 139, 123) }
```

Border

The CSS property to change the border of an element to XYZ 14.4951, 20.7652, 21.9830 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(57, 139, 123) }
```


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

```
.border{ border-color:rgb(57, 139, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 139, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 139, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 139, 123);  
box-shadow:4px 4px 4px 4px rgb(57, 139,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4951, 20.7652, 21.9830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 139, 123) }
```

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

```
.background{ background-color: rgb(57, 139,  
123) }
```

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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