

Converting Colors

XYZ(20.7842, 21.4855, 32.9688)

Have a look what the booklet for
XYZ(20.7842, 21.4855, 32.9688)
contains.

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Color

**XYZ(20.7228, 21.4872,
32.7610)**

Conversions

Conversions Part 1

Format	Color
Hex	758098
RGB	117, 128, 152
RGB Percent	46%, 50%, 60%
CMY	0.5412, 0.4980, 0.4039
CMYK	0.23, 0.16, 0.00, 0.40
HSL	221°, 15%, 53%
HSV	221°, 23%, 60%
XYZ	20.7228, 21.4872, 32.7610
YIQ	127.4470, -14.2600, 5.1320

Conversions

Conversions Part 2

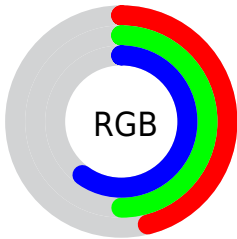
Format	Color
RYB	117, 125, 152
Decimal	7700632
CIELab	53.48, 1.46, -14.23
CIELCh	53, 14.302, 275.854
Yxy	21.4872, 0.2764, 0.2866
Android (android.graphics.Color)	4285890712 (0xFF758098)
YUV	127.4470, 12.1046, -9.1620
Hunter-Lab	46.3543, -1.3211, -9.4553

Details

The XYZ color **20.7228, 21.4872, 32.7610** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.6850, 27.0098, 20.6900**, and the grayscale version is **20.2902, 21.3469, 23.2468**.

A 20% lighter version of the original color is **44.2420, 46.0500, 64.9493**, and **7.5288, 7.7605, 13.4130** is the 20% darker color. If you saturate the color by 10%, you get **17.5537, 17.9384, 32.2434**, and if you desaturate by 10%, it is **24.3645, 25.4881, 33.3417**.

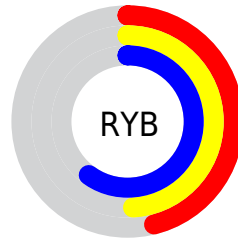
Distribution



Red (46%)

Green (50%)

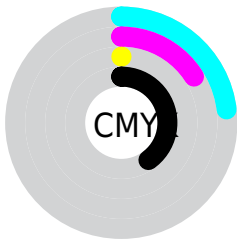
Blue (60%)



Red (46%)

Yellow (49%)

Blue (60%)

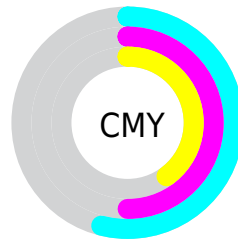


Cyan (23%)

Magenta (16%)

Yellow (0%)

Black (40%)



Cyan (54%)

Magenta (50%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7228, 21.4872, 32.7610 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 20.7228, 21.4872, 32.7610 by changing the saturation by 10% instead.

■ 20.7228, 21.4872,
32.7610

■ 20.7228, 21.4872,
32.7610

248.5613,
259.8565, 329.1703

■ 13.0328, 13.4806,
21.6738

■ 44.1205, 45.8970,
65.1139

■ 7.5283, 7.7603,
13.4214

■ 60.5589, 63.0689,
87.2167

■ 3.8439, 3.9420,
7.5852

■ 80.6443, 84.0648,
113.8285

■ 1.6142, 1.6411,
3.7468

104.7418,
109.2689, 145.3677

■ 0.4016, 0.3851,
1.4875

133.2169,
139.0658, 182.2530

■ 0.0000, 0.0000,
0.2086

166.4350,

■ 0.0000, 0.0000,

173.8397, 224.9028

0.0000

204.7613,
213.9752, 273.7357

■ 20.7228, 21.4872,
32.7610

■ 20.7228, 21.4872,
32.7610

■ 17.5537, 17.9384,
32.2434

■ 24.3645, 25.4881,
33.3417

■ 14.8351, 14.8224,
31.7852

■ 28.4958, 29.9541,
33.9859

■ 12.5459, 12.1223,
31.3847

■ 33.1352, 34.9010,
34.6963

■ 10.6625, 9.8191,
31.0394

■ 38.2996, 40.3431,
35.4745

■ 9.1589, 7.8921,
30.7467

■ 44.0051, 46.2940,
36.3224

■ 8.0057, 6.3185,
30.5038

■ 50.2672, 52.7668,
37.2418

■ 7.1687, 5.0721,
30.3073

■ 57.1007, 59.7740,
38.2341

■ 6.7153, 4.3626,
30.1942

■ 64.5198, 67.3279,
39.3011

■ 72.5383, 75.4402,
40.4444

Harmonies

Analogous

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



19.2493, 21.4872, 31.9056



20.7228, 21.4872, 32.7610



22.1851, 21.4872, 30.8661

Triad

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



20.7228, 21.4872, 32.7610



22.8874, 21.4872, 18.8231



17.8677, 21.4872, 20.1328

Complementary

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



20.7228, 21.4872, 32.7610



25.6850, 27.0098, 20.6900

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.



18.7567, 21.4872, 17.2401



20.7228, 21.4872, 32.7610



21.6434, 21.4872, 16.5523

Square

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



20.7228, 21.4872, 32.7610



23.4741, 21.4872, 22.5517



20.1260, 21.4872, 16.0108



17.6484, 21.4872, 24.2610

Rectangle

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



20.7228, 21.4872, 32.7610



22.9414, 21.4872, 28.4217



20.1260, 21.4872, 16.0108



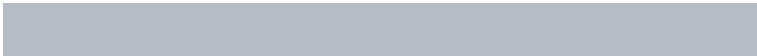
18.0959, 21.4872, 19.0005

Sweetspot

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



20.7235, 21.4881, 32.7615



47.1929, 49.5295, 59.5065



23.3664, 28.1594, 29.3711



10.6392, 11.1633, 13.5115



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.7235, 21.4881, 32.7615



33.3899, 34.3736, 57.3086



20.2575, 19.2320, 32.3506



6.0350, 6.3274, 7.8322



5.6558, 3.7083, 25.3254



0.1145, 0.1154, 0.3886

Inverse Universe

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



23.2070, 20.9571, 23.2449



38.6638, 33.4335, 37.0583



26.2197, 29.8141, 21.2031



6.2848, 6.2531, 6.8799



11.3136, 5.7797, 2.9102



0.1843, 0.0925, 0.1232

Previews

White Background



This preview shows how the XYZ color 20.7228, 21.4872, 32.7610 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 20.7228, 21.4872, 32.7610 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

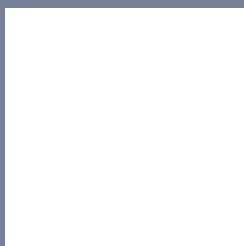
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7228, 21.4872, 32.7610

Background



This preview shows how black text looks on a background with the XYZ color 20.7228, 21.4872, 32.7610.



This preview shows how white text looks on a background with the XYZ color 20.7228, 21.4872,

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

20.7228, 21.4872, 32.7610

Protanopia

21.2151, 21.3670, 32.2842

Deuteranopia

21.9855, 21.5563, 33.1390



Tritanopia

19.7865, 21.5036, 27.9187

Trichromacy



Original Color

20.7228, 21.4872, 32.7610

Protanomaly

21.0604, 21.4781, 32.3138

Deuteranomaly

21.5228, 21.5067, 33.1538

Tritanomaly

20.0868, 21.4271, 29.4627

Monochromacy



Original Color

20.7228, 21.4872, 32.7610

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.2017, 21.1673, 26.3135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7228, 21.4872, 32.7610 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(117, 128, 152)` looks like.

```
.text, #text, p{  
    color:rgb(117, 128, 152)  
}
```

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(117, 128, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 128, 152) }
```

Border

The CSS property to change the border of an element to XYZ 20.7228, 21.4872, 32.7610 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(117, 128, 152) }
```


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

```
.border{ border-color:rgb(117, 128, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 128, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 128, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 128, 152);  
box-shadow:4px 4px 4px 4px rgb(117, 128,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7228, 21.4872, 32.7610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 128, 152) }
```

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

```
.background{ background-color: rgb(117,  
128, 152) }
```

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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