

Converting Colors

XYZ(21.4299, 22.2418, 33.3012)

Have a look what the booklet for
XYZ(21.4299, 22.2418, 33.3012)
contains.

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Color

**XYZ(21.4781, 22.2582,
33.3012)**

Conversions

Conversions Part 1

Format	Color
Hex	788299
RGB	120, 130, 153
RGB Percent	47%, 51%, 60%
CMY	0.5294, 0.4902, 0.4000
CMYK	0.22, 0.15, 0.00, 0.40
HSL	222°, 14%, 54%
HSV	222°, 22%, 60%
XYZ	21.4781, 22.2582, 33.3012
YIQ	129.6320, -13.3430, 5.0330

Conversions

Conversions Part 2

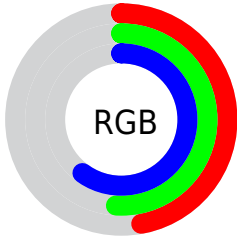
Format	Color
R_{YB}	120, 128, 153
Decimal	7897753
CIE _{Lab}	54.30, 1.53, -13.54
CIE _{LCh}	54, 13.630, 276.451
Yxy	22.2582, 0.2788, 0.2889
Android (android.graphics.Color)	4286087833 (0xFF788299)
YUV	129.6320, 11.5204, -8.4473
Hunter-Lab	47.1786, -1.3003, -8.8251

Details

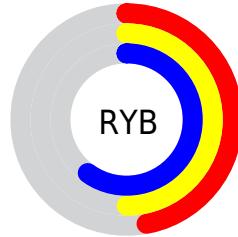
The XYZ color **21.4781, 22.2582, 33.3012** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.3497, 27.7733, 21.7418**, and the grayscale version is **21.0528, 22.1492, 24.1204**.

A 20% lighter version of the original color is **45.4296, 47.2562, 65.7584**, and **7.9392, 8.1838, 13.7316** is the 20% darker color. If you saturate the color by 10%, you get **18.1779, 18.5598, 32.7616**, and if you desaturate by 10%, it is **25.2658, 26.4272, 33.9066**.

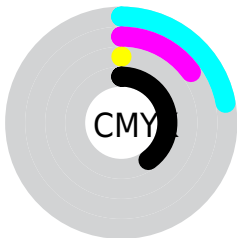
Distribution



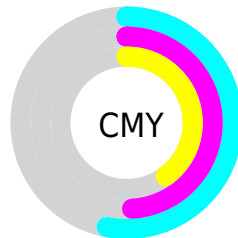
- Red (47%)
- Green (51%)
- Blue (60%)



- Red (47%)
- Yellow (50%)
- Blue (60%)



- Cyan (22%)
- Magenta (15%)
- Yellow (0%)
- Black (40%)



- Cyan (53%)
- Magenta (49%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4781, 22.2582, 33.3012 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 21.4781, 22.2582, 33.3012 by changing the saturation by 10% instead.

■ 21.4781, 22.2582,
33.3012

■ 21.4781, 22.2582,
33.3012

252.4924,
263.8917, 331.6783

■ 13.5884, 14.0467,
22.0843

■ 45.3672, 47.1724,
65.9669

■ 7.9147, 8.1532,
13.7199

■ 62.0973, 64.6439,
88.2528

■ 4.0918, 4.1931,
7.7896

■ 82.5048, 85.9709,
115.0654

■ 1.7542, 1.7822,
3.8748

106.9552,
111.5377, 146.8233

■ 0.4898, 0.4760,
1.5569

135.8138,
141.7288, 183.9450

■ 0.0000, 0.0000,
0.2598

169.4460,

■ 0.0000, 0.0000,

176.9286, 226.8490

0.0000

208.2171,
217.5214, 275.9539

■ 21.4781, 22.2582,
33.3012

■ 21.4781, 22.2582,
33.3012

■ 18.1779, 18.5598,
32.7616

■ 25.2658, 26.4272,
33.9066

■ 15.3425, 15.3121,
32.2842

■ 29.5582, 31.0804,
34.5786

■ 12.9506, 12.4977,
31.8670

■ 34.3741, 36.2342,
35.3195

■ 10.9783, 10.0969,
31.5076

■ 39.7308, 41.9031,
36.1314

■ 9.3993, 8.0885,
31.2032

■ 45.6448, 48.1015,
37.0161

■ 8.1839, 6.4489,
30.9507

■ 52.1318, 54.8428,
37.9754

■ 7.2978, 5.1516,
30.7470

■ 59.2070, 62.1401,
39.0110

■ 6.7413, 4.2829,
30.6087

■ 66.8848, 70.0060,
40.1246

■ 74.1782, 77.9366,
41.2710

Harmonies

Analogous

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



20.0355, 22.2582, 32.5296



21.4781, 22.2582, 33.3012



22.8976, 22.2582, 31.4247

Triad

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



21.4781, 22.2582, 33.3012



23.5362, 22.2582, 19.6951



18.6451, 22.2582, 21.1133

Complementary

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



21.4781, 22.2582, 33.3012



26.3497, 27.7733, 21.7418

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.



19.5046, 22.2582, 18.2358



21.4781, 22.2582, 33.3012



22.3170, 22.2582, 17.4865

Square

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



21.4781, 22.2582, 33.3012



24.1212, 22.2582, 23.3284



20.8366, 22.2582, 16.9852



18.4439, 22.2582, 25.1656

Rectangle

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



21.4781, 22.2582, 33.3012



23.6253, 22.2582, 29.0405



20.8366, 22.2582, 16.9852



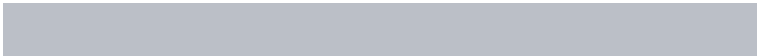
18.8646, 22.2582, 19.9919

Sweetspot

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



21.4788, 22.2591, 33.3017



49.3223, 51.7593, 61.3630



24.0613, 28.7455, 30.0889



10.7924, 11.3223, 13.5341



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.



21.4788, 22.2591, 33.3017



35.4354, 36.4834, 59.1463



21.0783, 20.1728, 32.9201



6.0295, 6.3165, 7.8304



5.5981, 3.5928, 25.3061



0.1130, 0.1123, 0.3881

Inverse Universe

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



23.8831, 21.8175, 24.0725



40.5876, 35.6931, 39.3344



26.8054, 30.3373, 22.2127



6.2820, 6.2520, 6.8653



11.2844, 5.7680, 2.7568



0.1835, 0.0921, 0.1191

Previews

White Background



This preview shows how the XYZ color 21.4781, 22.2582, 33.3012 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 21.4781, 22.2582, 33.3012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

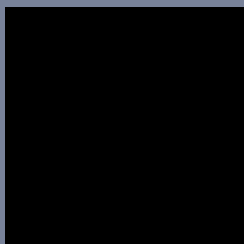
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

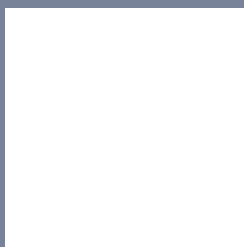
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4781, 22.2582, 33.3012

Background



This preview shows how black text looks on a background with the XYZ color 21.4781, 22.2582, 33.3012.



This preview shows how white text looks on a background with the XYZ color 21.4781, 22.2582,

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

21.4781, 22.2582, 33.3012

Protanopia

21.9752, 22.3275, 32.8572

Deuteranopia

22.7822, 22.3371, 33.6826



Tritanopia

20.6050, 22.3071, 28.8109

Trichromacy



Original Color

21.4781, 22.2582, 33.3012

Protanomaly

21.6861, 22.1785, 32.8437

Deuteranomaly

22.3043, 22.2835, 33.6974

Tritanomaly

20.9124, 22.2299, 30.3827

Monochromacy



Original Color

21.4781, 22.2582, 33.3012

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.1743, 22.2359, 27.2207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4781, 22.2582, 33.3012 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(120, 130, 153)` looks like.

```
.text, #text, p{  
    color:rgb(120, 130, 153)  
}
```

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(120, 130, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 130, 153) }
```

Border

The CSS property to change the border of an element to XYZ 21.4781, 22.2582, 33.3012 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(120, 130, 153) }
```


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

```
.border{ border-color:rgb(120, 130, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 130, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 130, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 130, 153);  
box-shadow:4px 4px 4px 4px rgb(120, 130,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4781, 22.2582, 33.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 130, 153) }
```

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

```
.background{ background-color: rgb(120,  
130, 153) }
```

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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