

Converting Colors

XYZ(21.2504, 21.6352, 34.8988)

Have a look what the booklet for
XYZ(21.2504, 21.6352, 34.8988)
contains.

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Color

**XYZ(21.2762, 21.7242,
34.9701)**

Conversions

Conversions Part 1

Format	Color
Hex	76809D
RGB	118, 128, 157
RGB Percent	46%, 50%, 62%
CMY	0.5372, 0.4980, 0.3843
CMYK	0.25, 0.18, 0.00, 0.38
HSL	225°, 17%, 54%
HSV	225°, 25%, 62%
XYZ	21.2762, 21.7242, 34.9701
YIQ	128.3160, -15.2690, 6.8990

Conversions

Conversions Part 2

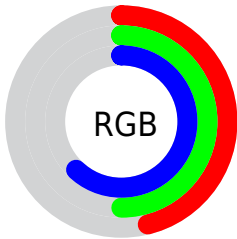
Format	Color
R_{YB}	118, 126, 157
Decimal	7766173
CIE _{Lab}	53.73, 3.02, -16.74
CIE _{LCh}	54, 17.005, 280.219
Y _{xy}	21.7242, 0.2729, 0.2786
Android (android.graphics.Color)	4285956253 (0xFF76809D)
YUV	128.3160, 14.1412, -9.0471
Hunter-Lab	46.6092, -0.0844, -11.8578

Details

The XYZ color **21.2762, 21.7242, 34.9701** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **27.6087, 29.3438, 21.3490**, and the grayscale version is **20.5843, 21.6562, 23.5837**.

A 20% lighter version of the original color is **45.2021, 46.4591, 68.8725**, and **7.8517, 7.8978, 14.7463** is the 20% darker color. If you saturate the color by 10%, you get **17.8830, 17.8435, 34.4002**, and if you desaturate by 10%, it is **25.2009, 26.1401, 35.6160**.

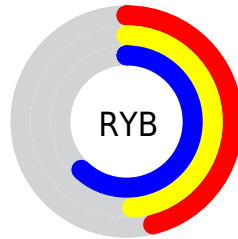
Distribution



Red (46%)

Green (50%)

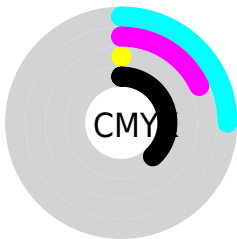
Blue (62%)



Red (46%)

Yellow (49%)

Blue (62%)

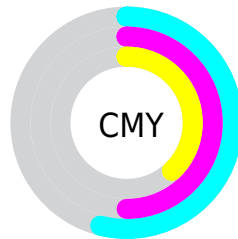


Cyan (25%)

Magenta (18%)

Yellow (0%)

Black (38%)



Cyan (54%)

Magenta (50%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2762, 21.7242, 34.9701 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 21.2762, 21.7242, 34.9701 by changing the saturation by 10% instead.

■ 21.2762, 21.7242,
34.9701

■ 21.2762, 21.7242,
34.9701

251.4467,
261.1026, 339.3366

■ 13.4397, 13.6544,
23.3565

■ 45.0346, 46.2897,
68.5905

■ 7.8111, 7.8807,
14.6492

■ 61.6871, 63.5542,
91.4343

■ 4.0251, 4.0187,
8.4297

■ 82.0090, 84.6524,
118.8587

■ 1.7163, 1.6840,
4.2794

106.3657,
109.9687, 151.2820

■ 0.4665, 0.4133,
1.7798

135.1224,
139.8875, 189.1230

■ 0.0000, 0.0000,
0.4146

168.6446,

■ 0.0000, 0.0000,

174.7931, 232.8000

0.0000

207.2976,
215.0700, 282.7317

■ 21.2762, 21.7242,
34.9701

■ 21.2762, 21.7242,
34.9701

■ 17.8830, 17.8435,
34.4002

■ 25.2009, 26.1401,
35.6160

■ 14.9957, 14.4744,
33.9021

■ 29.6770, 31.1081,
36.3390

■ 12.5898, 11.5955,
33.4732

■ 34.7258, 36.6479,
37.1422

■ 10.6377, 9.1828,
33.1104

■ 40.3671, 42.7771,
38.0279

■ 9.1089, 7.2100,
32.8102

■ 46.6194, 49.5128,
38.9985

■ 7.9688, 5.6480,
32.5688

■ 53.5006, 56.8712,
40.0561

■ 7.1754, 4.4629,
32.3819

■ 61.0277, 64.8681,
41.2029

■ 6.8535, 3.9695,
32.3036

■ 69.2173, 73.5183,
42.4410

■ 76.4844, 82.0115,
43.6973

Harmonies

Analogous

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



19.4847, 21.7242, 34.4111



21.2762, 21.7242, 34.9701



22.9948, 21.7242, 32.1753

Triad

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



21.2762, 21.7242, 34.9701



23.4415, 21.7242, 17.7470



17.5229, 21.7242, 20.4173

Complementary

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



21.2762, 21.7242, 34.9701



27.6087, 29.3438, 21.3490

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.



18.4670, 21.7242, 16.7880



21.2762, 21.7242, 34.9701



21.8571, 21.7242, 15.4107

Square

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



21.2762, 21.7242, 34.9701



24.2927, 21.7242, 21.9177



20.0327, 21.7242, 15.0876



17.3877, 21.7242, 25.4796

Rectangle

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



21.2762, 21.7242, 34.9701



23.8417, 21.7242, 28.9974



20.0327, 21.7242, 15.0876



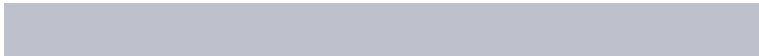
17.7534, 21.7242, 19.0109

Sweetspot

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



21.2769, 21.7251, 34.9706



51.2189, 53.5797, 64.7691



24.7638, 30.0600, 31.9369



11.1747, 11.6840, 14.2366



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.2769, 21.7251, 34.9706



34.5034, 34.8039, 62.0260



21.3321, 19.9116, 34.6176



6.4162, 6.6981, 8.3614



5.5925, 3.2766, 26.2449



0.1310, 0.1205, 0.4796

Inverse Universe

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



24.2799, 21.6841, 23.3287



40.9084, 34.9079, 37.1528



27.5221, 31.7090, 21.8101



6.6994, 6.6727, 7.2681



11.6211, 5.9530, 2.2556



0.2234, 0.1127, 0.1226

Previews

White Background



This preview shows how the XYZ color 21.2762, 21.7242, 34.9701 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 21.2762, 21.7242, 34.9701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

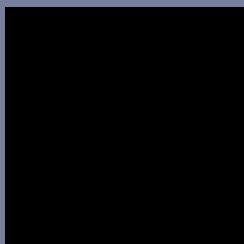
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2762, 21.7242, 34.9701

Background



This preview shows how black text looks on a background with the XYZ color 21.2762, 21.7242, 34.9701.



This preview shows how white text looks on a background with the XYZ color 21.2762, 21.7242,

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

21.2762, 21.7242, 34.9701

Protanopia

21.6162, 21.7166, 34.5049

Deuteranopia

22.2366, 21.8260, 35.3886



Tritanopia

19.9942, 21.8005, 28.3534

Trichromacy



Original Color

21.2762, 21.7242, 34.9701

Protanomaly

21.4753, 21.6440, 34.4983

Deuteranomaly

21.9293, 21.8583, 35.4110

Tritanomaly

20.4516, 21.7849, 30.7307

Monochromacy



Original Color

21.2762, 21.7242, 34.9701

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.6916, 21.5875, 27.5023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2762, 21.7242, 34.9701 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(118, 128, 157)` looks like.

```
.text, #text, p{  
    color:rgb(118, 128, 157)  
}
```

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(118, 128, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 128, 157) }
```

Border

The CSS property to change the border of an element to XYZ 21.2762, 21.7242, 34.9701 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(118, 128, 157) }
```


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

```
.border{ border-color:rgb(118, 128, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 128, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 128, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 128, 157);  
box-shadow:4px 4px 4px 4px rgb(118, 128,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2762, 21.7242, 34.9701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 128, 157) }
```

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

```
.background{ background-color: rgb(118,  
128, 157) }
```

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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