

Converting Colors

XYZ(21.4779, 20.7000, 36.4855)

Have a look what the booklet for
XYZ(21.4779, 20.7000, 36.4855)
contains.

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Color

**XYZ(21.4186, 20.6299,
36.5713)**

Conversions

Conversions Part 1

Format	Color
Hex	7A7AA1
RGB	122, 122, 161
RGB Percent	48%, 48%, 63%
CMY	0.5216, 0.5216, 0.3686
CMYK	0.24, 0.24, 0.00, 0.37
HSL	240°, 17%, 55%
HSV	240°, 24%, 63%
XYZ	21.4186, 20.6299, 36.5713
YIQ	126.4460, -12.5190, 12.1290

Conversions

Conversions Part 2

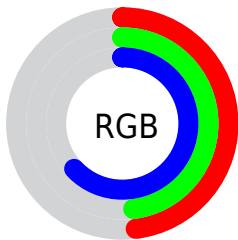
Format	Color
R_{YB}	122, 122, 161
Decimal	8026785
CIE Lab	52.54, 8.83, -20.85
CIE LCh	53, 22.640, 292.947
Yxy	20.6299, 0.2724, 0.2624
Android (android.graphics.Color)	4286216865 (0xFF7A7AA1)
YUV	126.4460, 17.0351, -3.8991
Hunter-Lab	45.4201, 4.6893, -15.9449

Details

The XYZ color **21.4186, 20.6299, 36.5713** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.9558, 34.4719, 23.4351**, and the grayscale version is **19.9304, 20.9684, 22.8346**.

A 20% lighter version of the original color is **45.2099, 44.3439, 71.1422**, and **7.8153, 7.2469, 15.4549** is the 20% darker color. If you saturate the color by 10%, you get **17.5093, 15.9195, 35.8685**, and if you desaturate by 10%, it is **26.0344, 26.1916, 37.4019**.

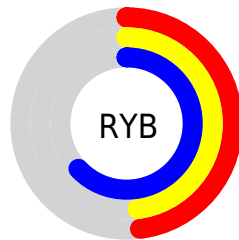
Distribution



Red (48%)

Green (48%)

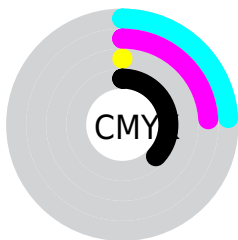
Blue (63%)



Red (48%)

Yellow (48%)

Blue (63%)

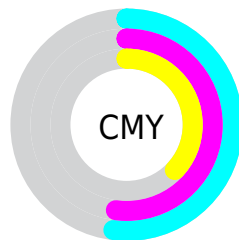


Cyan (24%)

Magenta (24%)

Yellow (0%)

Black (37%)



Cyan (52%)

Magenta (52%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4186, 20.6299, 36.5713 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 21.4186, 20.6299, 36.5713 by changing the saturation by 10% instead.

■ 21.4186, 20.6299,
36.5713

■ 21.4186, 20.6299,
36.5713

252.1847,
255.3050, 346.5634

■ 13.5445, 12.8537,
24.5826

■ 45.2692, 44.4708,
71.0919

■ 7.8841, 7.3279,
15.5501

■ 61.9765, 61.3043,
94.4608

■ 4.0721, 3.6680,
9.0555

■ 82.3588, 81.9257,
122.4602

■ 1.7430, 1.4896,
4.6801

106.7816,
106.7194, 155.5087

■ 0.4830, 0.2814,
2.0054

135.6103,
136.0698, 194.0247

■ 0.0000, 0.0000,
0.5586

169.2101,

■ 0.0000, 0.0000,

170.3612, 238.4267

0.0000

207.9464,
209.9782, 289.1335

■ 21.4186, 20.6299,
36.5713

■ 21.4186, 20.6299,
36.5713

■ 17.5093, 15.9195,
35.8685

■ 26.0344, 26.1916,
37.4019

■ 14.2699, 12.0162,
35.2858

■ 31.3870, 32.6411,
38.3646

■ 11.6633, 8.8754,
34.8170

■ 37.5074, 40.0157,
39.4655

■ 9.6481, 6.4473,
34.4545

■ 44.4242, 48.3499,
40.7096

■ 8.1782, 4.6761,
34.1901

■ 52.1645, 57.6764,
42.1019

■ 7.2003, 3.4978,
34.0142

■ 60.7544, 68.0265,
43.6469

■ 6.6505, 2.8353,
33.9153

■ 70.2183, 79.4298,
45.3491

■ 6.4331, 2.5733,
33.8762

■ 80.5802, 91.9150,
47.2129

■ 83.4331, 95.3532,
47.7262

Harmonies

Analogous

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



19.0598, 20.6299, 37.8649



21.4186, 20.6299, 36.5713



23.4301, 20.6299, 31.1738

Triad

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



21.4186, 20.6299, 36.5713



22.4516, 20.6299, 13.6544



15.4661, 20.6299, 20.9143

Complementary

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



21.4186, 20.6299, 36.5713



30.9558, 34.4719, 23.4351

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.



16.2261, 20.6299, 15.5470



21.4186, 20.6299, 36.5713



20.1668, 20.6299, 11.9319

Square

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



21.4186, 20.6299, 36.5713



24.0589, 20.6299, 17.7958



17.9026, 20.6299, 12.5482



15.7431, 20.6299, 27.8810

Rectangle

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



21.4186, 20.6299, 36.5713



24.2411, 20.6299, 26.4650



17.9026, 20.6299, 12.5482



15.6066, 20.6299, 18.8853

Sweetspot

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



21.4193, 20.6307, 36.5718



53.2833, 54.9293, 68.1806



27.1472, 32.1781, 38.1990



11.5701, 11.9074, 14.9322



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.4193, 20.6307, 36.5718



34.4800, 32.2727, 64.7985



24.3521, 22.1424, 36.7090



6.7005, 6.8600, 8.8740



5.1379, 2.0552, 27.0557



0.1080, 0.0432, 0.5685

Inverse Universe

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



25.1709, 22.9019, 21.5072



42.3672, 37.0474, 33.1273



27.4393, 32.6594, 23.2706



7.0738, 7.0860, 7.3750



11.7389, 6.0516, 0.5495



0.2467, 0.1272, 0.0116

Previews

White Background



This preview shows how the XYZ color 21.4186, 20.6299, 36.5713 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 21.4186, 20.6299, 36.5713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

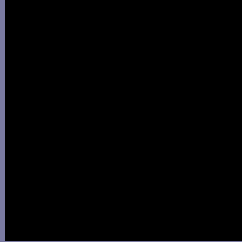
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4186, 20.6299, 36.5713

Background



This preview shows how black text looks on a background with the XYZ color 21.4186, 20.6299, 36.5713.



This preview shows how white text looks on a background with the XYZ color 21.4186, 20.6299,

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

21.4186, 20.6299, 36.5713

Protanopia

20.7995, 20.6688, 37.0756

Deuteranopia

21.1237, 20.6611, 36.5929



Tritanopia

19.3123, 20.5098, 26.6078

Trichromacy



Original Color

21.4186, 20.6299, 36.5713

Protanomaly

21.0758, 20.6261, 37.0528

Deuteranomaly

21.2617, 20.7322, 36.5993

Tritanomaly

20.1297, 20.6645, 30.1218

Monochromacy



Original Color

21.4186, 20.6299, 36.5713

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.4513, 20.8913, 27.3806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4186, 20.6299, 36.5713 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(122, 122, 161)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 161)  
}
```

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(122, 122, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 161) }
```

Border

The CSS property to change the border of an element to XYZ 21.4186, 20.6299, 36.5713 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(122, 122, 161) }
```


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

```
.border{ border-color:rgb(122, 122, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 122, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 161);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4186, 20.6299, 36.5713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 161) }
```

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

```
.background{ background-color: rgb(122,  
122, 161) }
```

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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