

Converting Colors

XYZ(20.6622, 21.4744, 31.2470)

Have a look what the booklet for
XYZ(20.6622, 21.4744, 31.2470)
contains.

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Color

**XYZ(20.6722, 21.4984,
31.0770)**

Conversions

Conversions Part 1

Format	Color
Hex	778094
RGB	119, 128, 148
RGB Percent	47%, 50%, 58%
CMY	0.5333, 0.4980, 0.4196
CMYK	0.20, 0.14, 0.00, 0.42
HSL	221°, 12%, 52%
HSV	221°, 20%, 58%
XYZ	20.6722, 21.4984, 31.0770
YIQ	127.5890, -11.7840, 4.3120

Conversions

Conversions Part 2

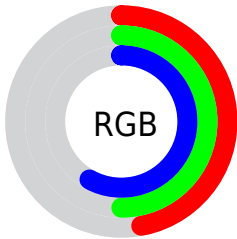
Format	Color
RYB	119, 126, 148
Decimal	7831700
CIELab	53.49, 1.16, -11.87
CIElCh	53, 11.926, 275.589
Yxy	21.4984, 0.2822, 0.2935
Android (android.graphics.Color)	4286021780 (0xFF778094)
YUV	127.5890, 10.0626, -7.5326
Hunter-Lab	46.3664, -1.5579, -7.2826

Details

The XYZ color **20.6722, 21.4984, 31.0770** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.7753, 26.0930, 21.1839**, and the grayscale version is **20.3454, 21.4049, 23.3100**.

A 20% lighter version of the original color is **44.1978, 46.0827, 62.4425**, and **7.4794, 7.7571, 12.4123** is the 20% darker color. If you saturate the color by 10%, you get **17.5322, 18.0023, 30.5680**, and if you desaturate by 10%, it is **24.2638, 25.4272, 31.6464**.

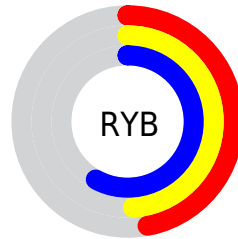
Distribution



Red (47%)

Green (50%)

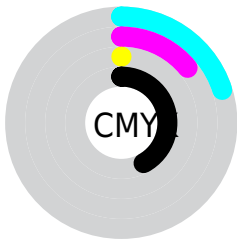
Blue (58%)



Red (47%)

Yellow (49%)

Blue (58%)

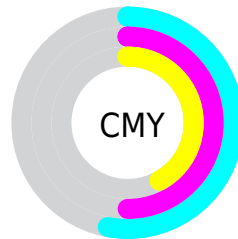


Cyan (20%)

Magenta (14%)

Yellow (0%)

Black (42%)



Cyan (53%)

Magenta (50%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6722, 21.4984, 31.0770 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 20.6722, 21.4984, 31.0770 by changing the saturation by 10% instead.

■ 20.6722, 21.4984,
31.0770

■ 20.6722, 21.4984,
31.0770

248.2961,
259.9155, 321.2551

■ 12.9957, 13.4888,
20.3985

■ 44.0367, 45.9155,
62.4423

■ 7.5026, 7.7660,
12.4981

■ 60.4555, 63.0919,
83.9662

■ 3.8274, 3.9456,
6.9572

■ 80.5190, 84.0926,
109.9423

■ 1.6050, 1.6432,
3.3573

104.5927,
109.3021, 140.7892

■ 0.3957, 0.3864,
1.2799

133.0419,
139.1047, 176.9253

■ 0.0000, 0.0000,
0.0452

166.2320,

■ 0.0000, 0.0000,

173.8849, 218.7693

0.0000

204.5282,
214.0270, 266.7398

■ 20.6722, 21.4984,
31.0770

■ 20.6722, 21.4984,
31.0770

■ 17.5322, 18.0023,
30.5680

■ 24.2638, 25.4272,
31.6464

■ 14.8233, 14.9209,
30.1160

■ 28.3224, 29.8006,
32.2766

■ 12.5262, 12.2386,
29.7194

■ 32.8651, 34.6334,
32.9700

■ 10.6195, 9.9379,
29.3758

■ 37.9077, 39.9388,
33.7283

■ 9.0795, 7.9999,
29.0829

■ 43.4650, 45.7295,
34.5531

■ 7.8799, 6.4038,
28.8380

■ 49.5513, 52.0177,
35.4461

■ 6.9904, 5.1260,
28.6383

■ 56.1804, 58.8153,
36.4087

■ 6.3438, 4.1238,
28.4789

■ 63.3656, 66.1334,
37.4426

■ 6.3200, 4.0874,
28.4731

■ 71.1195, 73.9833,
38.5491

Harmonies

Analogous

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



19.4414, 21.4984, 30.3677



20.6722, 21.4984, 31.0770



21.8872, 21.4984, 29.5652

Triad

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



20.6722, 21.4984, 31.0770



22.4834, 21.4984, 19.5712



18.2906, 21.4984, 20.6364

Complementary

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



20.6722, 21.4984, 31.0770



24.7753, 26.0930, 21.1839

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.



19.0458, 21.4984, 18.1713



20.6722, 21.4984, 31.0770



21.4590, 21.4984, 17.6024

Square

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



20.6722, 21.4984, 31.0770



22.9603, 21.4984, 22.7339



20.1968, 21.4984, 17.1176



18.0994, 21.4984, 24.0955

Rectangle

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



20.6722, 21.4984, 31.0770



22.5141, 21.4984, 27.5848



20.1968, 21.4984, 17.1176



18.4854, 21.4984, 19.6758

Sweetspot

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



20.6729, 21.4993, 31.0775



45.2046, 47.4550, 56.2118



22.8449, 26.9608, 28.3562



10.2273, 10.7336, 12.8176



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.6729, 21.4993, 31.0775



33.6715, 34.8264, 54.3821



20.3006, 19.6410, 30.7384



5.6376, 5.9092, 7.3132



5.4203, 3.5354, 24.3277



0.0902, 0.0911, 0.3057

Inverse Universe

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



22.7064, 21.0486, 23.2891



38.0377, 33.9907, 37.6294



25.1930, 28.3235, 21.5924



5.8705, 5.8433, 6.4244



10.8630, 5.5502, 2.7595



0.1450, 0.0728, 0.0973

Previews

White Background



This preview shows how the XYZ color 20.6722, 21.4984, 31.0770 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 20.6722, 21.4984, 31.0770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

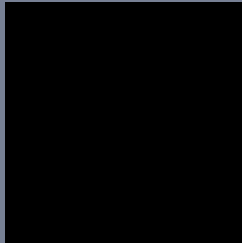
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

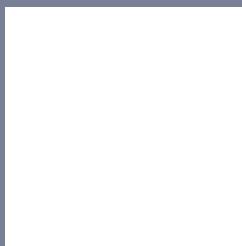
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6722, 21.4984, 31.0770

Background



This preview shows how black text looks on a background with the XYZ color 20.6722, 21.4984, 31.0770.



This preview shows how white text looks on a background with the XYZ color 20.6722, 21.4984,

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

20.6722, 21.4984, 31.0770

Protanopia

21.1680, 21.5704, 30.6516

Deuteranopia

21.9644, 21.5830, 31.4421



Tritanopia

19.9200, 21.3759, 27.8870

Trichromacy



Original Color

20.6722, 21.4984, 31.0770

Protanomaly

20.8819, 21.4229, 30.6382

Deuteranomaly

21.4899, 21.5273, 31.4563

Tritanomaly

20.2794, 21.5352, 29.0745

Monochromacy



Original Color

20.6722, 21.4984, 31.0770

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.5498, 21.5476, 25.9977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6722, 21.4984, 31.0770 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(119, 128, 148)` looks like.

```
.text, #text, p{  
    color:rgb(119, 128, 148)  
}
```

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(119, 128, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 128, 148) }
```

Border

The CSS property to change the border of an element to XYZ 20.6722, 21.4984, 31.0770 is called "border". The border property can be set on classes, ids or directly on the HTML element.

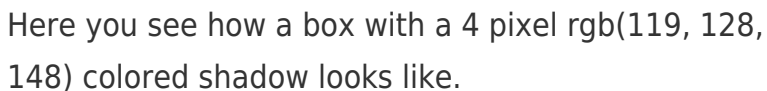
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 128, 148) }
```


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

```
.border{ border-color:rgb(119, 128, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 128, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 128, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 128, 148); box-shadow:4px 4px 4px 4px rgb(119, 128, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6722, 21.4984, 31.0770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 128, 148) }
```

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

```
.background{ background-color: rgb(119,  
128, 148) }
```

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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