

Converting Colors

XYZ(20.0211, 21.7545, 30.6574)

Have a look what the booklet for
XYZ(20.0211, 21.7545, 30.6574)
contains.

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Color

**XYZ(20.0649, 21.7839,
30.7510)**

Conversions

Conversions Part 1

Format	Color
Hex	708393
RGB	112, 131, 147
RGB Percent	44%, 51%, 58%
CMY	0.5608, 0.4863, 0.4235
CMYK	0.24, 0.11, 0.00, 0.42
HSL	207°, 14%, 51%
HSV	207°, 24%, 58%
XYZ	20.0649, 21.7839, 30.7510
YIQ	127.1430, -16.4600, 0.9480

Conversions

Conversions Part 2

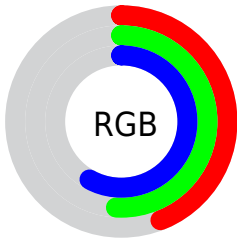
Format	Color
RYB	112, 124, 147
Decimal	7373715
CIELab	53.80, -3.13, -10.88
CIELCh	54, 11.321, 253.937
Yxy	21.7839, 0.2764, 0.3001
Android (android.graphics.Color)	4285563795 (0xFF708393)
YUV	127.1430, 9.7895, -13.2804
Hunter-Lab	46.6732, -4.9407, -6.3924

Details

The XYZ color **20.0649, 21.7839, 30.7510** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.6768, 22.8116, 18.5378**, and the grayscale version is **20.1939, 21.2456, 23.1364**.

A 20% lighter version of the original color is **42.9929, 46.3905, 61.9466**, and **7.1785, 7.9359, 12.2198** is the 20% darker color. If you saturate the color by 10%, you get **17.4717, 19.1509, 30.3798**, and if you desaturate by 10%, it is **23.0233, 24.6932, 31.1570**.

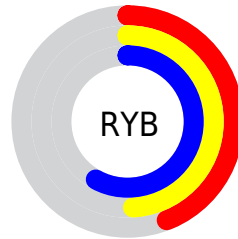
Distribution



Red (44%)

Green (51%)

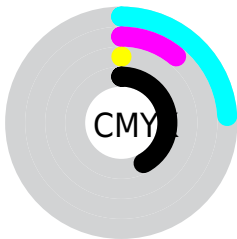
Blue (58%)



Red (44%)

Yellow (49%)

Blue (58%)

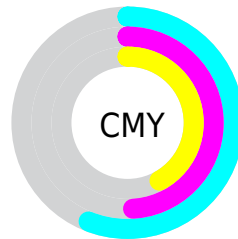


Cyan (24%)

Magenta (11%)

Yellow (0%)

Black (42%)



Cyan (56%)

Magenta (49%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0649, 21.7839, 30.7510 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 20.0649, 21.7839, 30.7510 by changing the saturation by 10% instead.

■ 20.0649, 21.7839,
30.7510

■ 20.0649, 21.7839,
30.7510

245.0931,
261.4157, 319.7051

■ 12.5508, 13.6982,
20.1524

■ 43.0291, 46.3886,
61.9228

■ 7.1948, 7.9111,
12.3207

■ 59.2098, 63.6763,
83.3331

■ 3.6316, 4.0381,
6.8373

■ 79.0102, 84.8002,
109.1845

■ 1.4959, 1.6949,
3.2837

■ 102.7955,
110.1447, 139.8954

■ 0.3231, 0.4203,
1.2412

130.9310,
140.0940, 175.8843

■ 0.0000, 0.0000,
0.0129

163.7823,

■ 0.0000, 0.0000,

175.0327, 217.5699

0.0000

201.7145,
215.3451, 265.3707

■ 20.0649, 21.7839,
30.7510

■ 20.0649, 21.7839,
30.7510

■ 17.4717, 19.1509,
30.3798

■ 23.0233, 24.6932,
31.1570

■ 15.2259, 16.7818,
30.0409

■ 26.3599, 27.8853,
31.5973

■ 13.3110, 14.6668,
29.7336

■ 30.0893, 31.3700,
32.0733

■ 11.7082, 12.7946,
29.4567

■ 34.2248, 35.1556,
32.5861

■ 10.3966, 11.1526,
29.2089

■ 38.7789, 39.2501,
33.1363

■ 9.3527, 9.7267,
28.9887

■ 43.7637, 43.6610,
33.7250

■ 8.5481, 8.5005,
28.7944

■ 49.1908, 48.3958,
34.3529

■ 8.1209, 7.8153,
28.6847

■ 55.0712, 53.4616,
35.0207

■ 61.4156, 58.8651,
35.7293

Harmonies

Analogous

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



19.0669, 21.7839, 28.6737



20.0649, 21.7839, 30.7510



21.2731, 21.7839, 30.8275

Triad

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



20.0649, 21.7839, 30.7510



23.0575, 21.7839, 22.1429



19.1250, 21.7839, 19.2176

Complementary

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



20.0649, 21.7839, 30.7510



22.6768, 22.8116, 18.5378

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.



20.1470, 21.7839, 17.7969



20.0649, 21.7839, 30.7510



22.4342, 21.7839, 19.3706

Square

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



20.0649, 21.7839, 30.7510



23.0333, 21.7839, 25.6199



21.3585, 21.7839, 17.8501



18.5390, 21.7839, 21.9145

Rectangle

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



20.0649, 21.7839, 30.7510



22.0375, 21.7839, 29.7177



21.3585, 21.7839, 17.8501



19.4272, 21.7839, 18.5873

Sweetspot

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



20.0656, 21.7848, 30.7515



45.1363, 47.9738, 56.3155



20.9962, 25.8646, 24.2223



10.2328, 10.8838, 12.8463



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.



20.0656, 21.7848, 30.7515



33.1679, 36.2241, 54.6784



17.9383, 17.5303, 30.0424



5.7447, 6.1233, 7.3489



7.0652, 6.8253, 24.8761



0.1160, 0.1426, 0.3143

Inverse Universe

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



21.9241, 19.4308, 24.0686



37.1965, 31.4067, 40.1286



25.1214, 27.7007, 19.3526



5.9246, 5.8649, 6.7089



11.6933, 5.8824, 7.1318



0.1580, 0.0780, 0.1657

Previews

White Background



This preview shows how the XYZ color 20.0649, 21.7839, 30.7510 looks on a white background.

Color Contrast Check

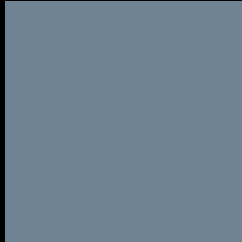
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0649, 21.7839, 30.7510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

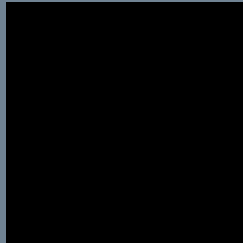
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

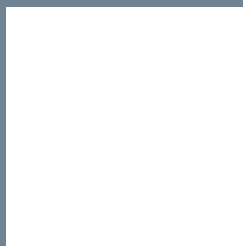
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0649, 21.7839, 30.7510

Background



This preview shows how black text looks on a background with the XYZ color 20.0649, 21.7839, 30.7510.



This preview shows how white text looks on a background with the XYZ color 20.0649, 21.7839,

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

20.0649, 21.7839, 30.7510

Protanopia

21.3044, 21.6587, 29.8457

Deuteranopia

22.0390, 21.6306, 31.0305



Tritanopia

19.6893, 21.8350, 28.7680

Trichromacy



Original Color

20.0649, 21.7839, 30.7510

Protanomaly

20.7926, 21.5786, 30.2633

Deuteranomaly

21.2468, 21.6019, 31.0667

Tritanomaly

19.8409, 21.8957, 29.5661

Monochromacy



Original Color

20.0649, 21.7839, 30.7510

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.0483, 21.2971, 25.6084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0649, 21.7839, 30.7510 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(112, 131, 147)` looks like.

```
.text, #text, p{  
    color:rgb(112, 131, 147)  
}
```

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(112, 131, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 131, 147) }
```

Border

The CSS property to change the border of an element to XYZ 20.0649, 21.7839, 30.7510 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(112, 131, 147) }
```


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

```
.border{ border-color:rgb(112, 131, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 131, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 131, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 131, 147);  
box-shadow:4px 4px 4px 4px rgb(112, 131,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0649, 21.7839, 30.7510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 131, 147) }
```

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

```
.background{ background-color: rgb(112,  
131, 147) }
```

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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