

Converting Colors

XYZ(20.0973, 21.7033, 31.9331)

Have a look what the booklet for
XYZ(20.0973, 21.7033, 31.9331)
contains.

XYZ(20.1769, 21.8141, 32.0013)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.1769, 21.8141,
32.0013)**

Conversions

Conversions Part 1

Format	Color
Hex	6F8396
RGB	111, 131, 150
RGB Percent	44%, 51%, 59%
CMY	0.5647, 0.4863, 0.4118
CMYK	0.26, 0.13, 0.00, 0.41
HSL	209°, 16%, 51%
HSV	209°, 26%, 59%
XYZ	20.1769, 21.8141, 32.0013
YIQ	127.1860, -18.0190, 1.6690

Conversions

Conversions Part 2

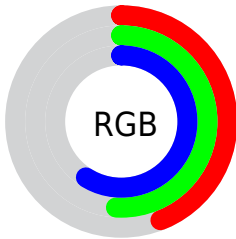
Format	Color
R_{YB}	111, 124, 150
Decimal	7308182
CIE _{Lab}	53.83, -2.72, -12.58
CIE _{LCh}	54, 12.869, 257.804
Yxy	21.8141, 0.2727, 0.2948
Android (android.graphics.Color)	4285498262 (0xFF6F8396)
YUV	127.1860, 11.2473, -14.1951
Hunter-Lab	46.7056, -4.6224, -7.9299

Details

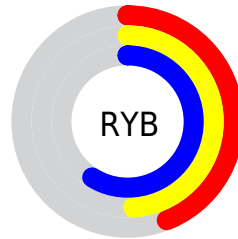
The XYZ color **20.1769, 21.8141, 32.0013** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.4299, 23.5973, 18.3594**, and the grayscale version is **20.2042, 21.2564, 23.1482**.

A 20% lighter version of the original color is **43.1438, 46.4271, 63.8142**, and **7.2560, 7.9596, 12.9583** is the 20% darker color. If you saturate the color by 10%, you get **17.4987, 19.0280, 31.6050**, and if you desaturate by 10%, it is **23.2426, 24.9039, 32.4365**.

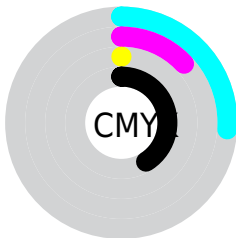
Distribution



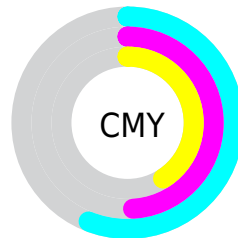
- Red (44%)
- Green (51%)
- Blue (59%)



- Red (44%)
- Yellow (49%)
- Blue (59%)



- Cyan (26%)
- Magenta (13%)
- Yellow (0%)
- Black (41%)



- Cyan (56%)
- Magenta (49%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1769, 21.8141, 32.0013 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 20.1769, 21.8141, 32.0013 by changing the saturation by 10% instead.

■ 20.1769, 21.8141,
32.0013

■ 20.1769, 21.8141,
32.0013

245.6865,
261.5739, 325.6181

■ 12.6327, 13.7204,
21.0977

■ 43.2153, 46.4386,
63.9111

■ 7.2514, 7.9264,
13.0035

■ 59.4401, 63.7381,
85.7543

■ 3.6675, 4.0479,
7.3002

■ 79.2893, 84.8750,
112.0811

■ 1.5158, 1.7004,
3.5693

■ 103.1280,
110.2336, 143.3100

■ 0.3366, 0.4239,
1.3921

131.3218,
140.1984, 179.8597

■ 0.0000, 0.0000,
0.1356

164.2359,

■ 0.0000, 0.0000,

175.1538, 222.1485

0.0000

202.2357,
215.4842, 270.5952

■ 20.1769, 21.8141,
32.0013

■ 20.1769, 21.8141,
32.0013

■ 17.4987, 19.0280,
31.6050

■ 23.2426, 24.9039,
32.4365

■ 15.1888, 16.5318,
31.2450

■ 26.7100, 28.3049,
32.9102

■ 13.2292, 14.3148,
30.9203

■ 30.5948, 32.0280,
33.4241

■ 11.5995, 12.3641,
30.6297

■ 34.9113, 36.0824,
33.9791

■ 10.2770, 10.6656,
30.3716

■ 39.6732, 40.4770,
34.5764

■ 9.2354, 9.2035,
30.1443

■ 44.8934, 45.2203,
35.2168

■ 8.4380, 7.9563,
29.9455

■ 50.5844, 50.3205,
35.9013

■ 8.1539, 7.4996,
29.8724

■ 56.7581, 55.7855,
36.6308

■ 63.4260, 61.6231,
37.4061

Harmonies

Analogous

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



18.9982, 21.8141, 29.8532



20.1769, 21.8141, 32.0013



21.5575, 21.8141, 31.7666

Triad

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



20.1769, 21.8141, 32.0013



23.3702, 21.8141, 21.4983



18.8251, 21.8141, 18.9946

Complementary

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



20.1769, 21.8141, 32.0013



23.4299, 23.5973, 18.3594

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.



19.9311, 21.8141, 17.2131



20.1769, 21.8141, 32.0013



22.5717, 21.8141, 18.5442

Square

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



20.1769, 21.8141, 32.0013



23.4432, 21.8141, 25.3974



21.3005, 21.8141, 17.0580



18.2413, 21.8141, 22.1789

Rectangle

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



20.1769, 21.8141, 32.0013



22.4069, 21.8141, 30.2922



21.3005, 21.8141, 17.0580



19.1458, 21.8141, 18.2279

Sweetspot

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



20.1776, 21.8150, 32.0018



45.7543, 48.6081, 57.8920



21.4816, 26.8004, 25.1077



9.9458, 10.5830, 12.8033



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.



20.1776, 21.8150, 32.0018



32.8734, 35.6736, 56.0743



17.8168, 17.0934, 31.2149



5.7307, 6.0953, 7.3442



6.7948, 6.2844, 24.7859



0.1127, 0.1359, 0.3132

Inverse Universe

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



22.3594, 19.4923, 24.0575



37.4326, 31.1160, 39.4078



26.2503, 29.2380, 19.2995



5.9175, 5.8621, 6.6716



11.5568, 5.8278, 6.4130



0.1563, 0.0773, 0.1569

Previews

White Background



This preview shows how the XYZ color 20.1769, 21.8141, 32.0013 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 20.1769, 21.8141, 32.0013 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

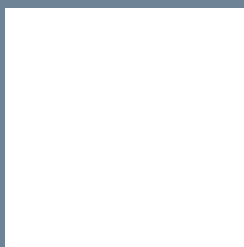
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1769, 21.8141, 32.0013

Background



This preview shows how black text looks on a background with the XYZ color 20.1769, 21.8141, 32.0013.



This preview shows how white text looks on a background with the XYZ color 20.1769, 21.8141,

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

20.1769, 21.8141, 32.0013

Protanopia

21.3921, 21.6768, 31.0735

Deuteranopia

22.1255, 21.6474, 32.2904



Tritanopia

19.5159, 21.7369, 29.1536

Trichromacy



Original Color

20.1769, 21.8141, 32.0013

Protanomaly

20.8897, 21.6013, 31.5022

Deuteranomaly

21.3437, 21.6241, 32.3271

Tritanomaly

19.8700, 21.8928, 30.3726

Monochromacy



Original Color

20.1769, 21.8141, 32.0013

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.9775, 21.2526, 25.9709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1769, 21.8141, 32.0013 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(111, 131, 150)` looks like.

```
.text, #text, p{  
    color:rgb(111, 131, 150)  
}
```

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(111, 131, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 131, 150) }
```

Border

The CSS property to change the border of an element to XYZ 20.1769, 21.8141, 32.0013 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(111, 131, 150) }
```


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

```
.border{ border-color:rgb(111, 131, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 131, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 131, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 131, 150);  
box-shadow:4px 4px 4px 4px rgb(111, 131,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1769, 21.8141, 32.0013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 131, 150) }
```

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

```
.background{ background-color: rgb(111,  
131, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor