

Converting Colors

XYZ(19.6811, 21.1632, 32.0956)

Have a look what the booklet for
XYZ(19.6811, 21.1632, 32.0956)
contains.

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Color

**XYZ(19.6620, 21.1537,
31.9009)**

Conversions

Conversions Part 1

Format	Color
Hex	6D8196
RGB	109, 129, 150
RGB Percent	43%, 51%, 59%
CMY	0.5725, 0.4941, 0.4118
CMYK	0.27, 0.14, 0.00, 0.41
HSL	211°, 16%, 51%
HSV	211°, 27%, 59%
XYZ	19.6620, 21.1537, 31.9009
YIQ	125.4140, -18.6610, 2.2910

Conversions

Conversions Part 2

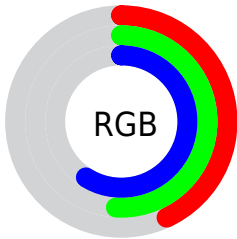
Format	Color
R_{YB}	109, 122, 150
Decimal	7176598
CIE _{Lab}	53.12, -2.21, -13.67
CIE _{LCh}	53, 13.844, 260.818
Yxy	21.1537, 0.2704, 0.2909
Android (android.graphics.Color)	4285366678 (0xFF6D8196)
YUV	125.4140, 12.1209, -14.3951
Hunter-Lab	45.9932, -4.1795, -8.9284

Details

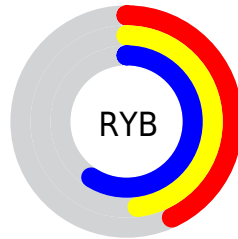
The XYZ color **19.6620, 21.1537, 31.9009** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.3211, 23.5538, 17.7860**, and the grayscale version is **19.5980, 20.6186, 22.4537**.

A 20% lighter version of the original color is **42.3250, 45.3926, 63.6576**, and **6.9843, 7.5988, 12.9030** is the 20% darker color. If you saturate the color by 10%, you get **16.9977, 18.3344, 31.4975**, and if you desaturate by 10%, it is **22.7186, 24.2892, 32.3454**.

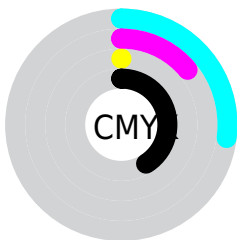
Distribution



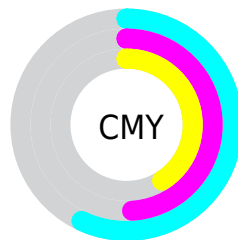
- Red (43%)
- Green (51%)
- Blue (59%)



- Red (43%)
- Yellow (48%)
- Blue (59%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)
- Black (41%)



- Cyan (57%)
- Magenta (49%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6620, 21.1537, 31.9009 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 19.6620, 21.1537, 31.9009 by changing the saturation by 10% instead.

■ 19.6620, 21.1537,
31.9009

■ 19.6620, 21.1537,
31.9009

242.9480,
258.0942, 325.1464

■ 12.2564, 13.2364,
21.0216

■ 42.3581, 45.3432,
63.7518

■ 6.9920, 7.5915,
12.9484

■ 58.3792, 62.3842,
85.5605

■ 3.5034, 3.8347,
7.2627

■ 78.0030, 83.2352,
111.8494

■ 1.4252, 1.5815,
3.5460

■ 101.5947,
108.2806, 143.0371

■ 0.2741, 0.3451,
1.3797

129.5197,
137.9048, 179.5421

■ 0.0000, 0.0000,
0.1258

162.1433,

■ 0.0000, 0.0000,

172.4922, 221.7830

0.0000

199.8310,
212.4272, 270.1782

■ 19.6620, 21.1537,
31.9009

■ 19.6620, 21.1537,
31.9009

■ 16.9977, 18.3344,
31.4975

■ 22.7186, 24.2892,
32.3454

■ 14.7062, 15.8173,
31.1324

■ 26.1821, 27.7494,
32.8307

■ 12.7689, 13.5907,
30.8048

■ 30.0685, 31.5452,
33.3585

■ 11.1649, 11.6413,
30.5130

■ 34.3925, 35.6866,
33.9300

■ 9.8709, 9.9542,
30.2556

■ 39.1681, 40.1829,
34.5462

■ 8.8597, 8.5126,
30.0306

■ 44.4083, 45.0430,
35.2081

■ 8.0864, 7.2903,
29.8355

■ 50.1260, 50.2756,
35.9167

■ 7.8990, 6.9899,
29.7873

■ 56.3334, 55.8890,
36.6730

■ 63.0422, 61.8912,
37.4780

Harmonies

Analogous

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



18.3866, 21.1537, 29.8323



19.6620, 21.1537, 31.9009



21.1187, 21.1537, 31.3804

Triad

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



19.6620, 21.1537, 31.9009



22.8413, 21.1537, 20.2960



18.0106, 21.1537, 18.3243

Complementary

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



19.6620, 21.1537, 31.9009



23.3211, 23.5538, 17.7860

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.



19.1262, 21.1537, 16.3147



19.6620, 21.1537, 31.9009



21.9293, 21.1537, 17.3539

Square

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



19.6620, 21.1537, 31.9009



23.0019, 21.1537, 24.3376



20.5565, 21.1537, 15.9823



17.4639, 21.1537, 21.7754

Rectangle

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



19.6620, 21.1537, 31.9009



21.9943, 21.1537, 29.6576



20.5565, 21.1537, 15.9823



18.3289, 21.1537, 17.4762

Sweetspot

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



19.6627, 21.1545, 31.9014



45.6725, 48.4446, 57.8648



21.2094, 26.6627, 24.9727



9.9248, 10.5409, 12.7963



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.



19.6627, 21.1545, 31.9014



31.6500, 34.1248, 55.8399



17.2810, 16.3913, 31.1075



5.7190, 6.0720, 7.3403



6.5832, 5.8612, 24.7154



0.1099, 0.1304, 0.3123

Inverse Universe

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



22.0093, 19.0070, 23.2784



36.5959, 29.9420, 37.5891



26.2447, 29.4012, 18.7605



5.9116, 5.8597, 6.6407



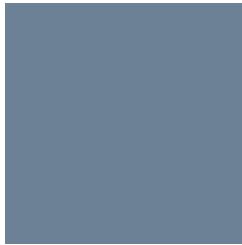
11.4500, 5.7850, 5.8505



0.1549, 0.0767, 0.1495

Previews

White Background



This preview shows how the XYZ color 19.6620, 21.1537, 31.9009 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 19.6620, 21.1537, 31.9009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

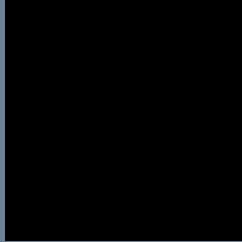
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

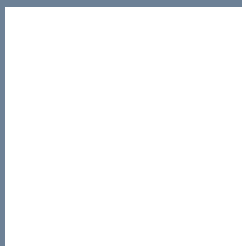
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6620, 21.1537, 31.9009

Background



This preview shows how black text looks on a background with the XYZ color 19.6620, 21.1537, 31.9009.



This preview shows how white text looks on a background with the XYZ color 19.6620, 21.1537,

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

19.6620, 21.1537, 31.9009

Protanopia

20.8322, 21.1974, 31.0105

Deuteranopia

21.5460, 21.1617, 32.2272



Tritanopia

18.9874, 21.2815, 28.3063

Trichromacy



Original Color

19.6620, 21.1537, 31.9009

Protanomaly

20.3503, 21.1306, 31.4398

Deuteranomaly

20.7925, 21.1491, 32.2645

Tritanomaly

19.2010, 21.1670, 29.4592

Monochromacy



Original Color

19.6620, 21.1537, 31.9009

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.3717, 20.5649, 25.5027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6620, 21.1537, 31.9009 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(109, 129, 150)` looks like.

```
.text, #text, p{  
    color:rgb(109, 129, 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(109, 129, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 129, 150) }
```

Border

The CSS property to change the border of an element to XYZ 19.6620, 21.1537, 31.9009 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(109, 129, 150) }
```


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

```
.border{ border-color:rgb(109, 129, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 129, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 129, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 129, 150);  
box-shadow:4px 4px 4px 4px rgb(109, 129,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6620, 21.1537, 31.9009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 129, 150) }
```

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

```
.background{ background-color: rgb(109,  
129, 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](#).

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