

Converting Colors

XYZ(19.7261, 21.2216, 49.7459)

Have a look what the booklet for
XYZ(19.7261, 21.2216, 49.7459)
contains.

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Color

**XYZ(19.6517, 21.1555,
49.5020)**

Conversions

Conversions Part 1

Format	Color
Hex	4883BA
RGB	72, 131, 186
RGB Percent	28%, 51%, 73%
CMY	0.7176, 0.4863, 0.2706
CMYK	0.61, 0.30, 0.00, 0.27
HSL	209°, 45%, 51%
HSV	209°, 61%, 73%
XYZ	19.6517, 21.1555, 49.5020
YIQ	119.6290, -52.8190, 4.5970

Conversions

Conversions Part 2

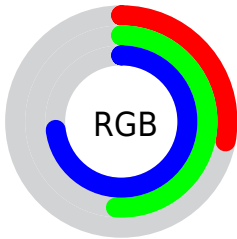
Format	Color
R_{YB}	72, 111, 186
Decimal	4752314
CIE _{Lab}	53.12, -2.27, -34.62
CIE _{LCh}	53, 34.689, 266.249
Yxy	21.1555, 0.2176, 0.2343
Android (android.graphics.Color)	4282942394 (0xFF4883BA)
YUV	119.6290, 32.7209, -41.7706
Hunter-Lab	45.9951, -4.2262, -31.6140

Details

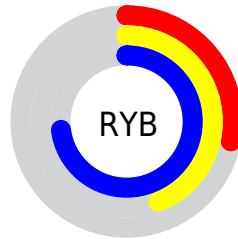
The XYZ color **19.6517, 21.1555, 49.5020** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.0097, 26.0871, 9.6382**, and the grayscale version is **17.6462, 18.5652, 20.2175**.

A 20% lighter version of the original color is **42.3734, 45.4376, 90.5414**, and **7.2509, 7.7280, 23.2998** is the 20% darker color. If you saturate the color by 10%, you get **17.3156, 18.2391, 49.0626**, and if you desaturate by 10%, it is **22.5132, 24.4985, 49.9969**.

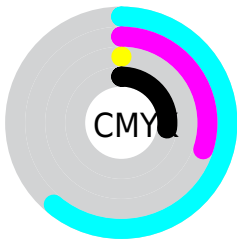
Distribution



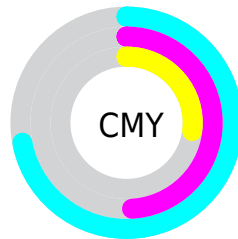
- Red (28%)
- Green (51%)
- Blue (73%)



- Red (28%)
- Yellow (44%)
- Blue (73%)



- Cyan (61%)
- Magenta (30%)
- Yellow (0%)
- Black (27%)



- Cyan (72%)
- Magenta (49%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6517, 21.1555, 49.5020 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 19.6517, 21.1555, 49.5020 by changing the saturation by 10% instead.

■ 19.6517, 21.1555,
49.5020

■ 19.6517, 21.1555,
49.5020

242.8929,
258.1037, 401.3944

■ 12.2489, 13.2377,
34.6495

■ 42.3409, 45.3462,
90.8253

■ 6.9868, 7.5924,
23.1116

■ 58.3580, 62.3879,
118.1331

■ 3.5001, 3.8353,
14.4698

■ 77.9772, 83.2397,
150.4297

■ 1.4234, 1.5819,
8.3057

■ 101.5639,
108.2859, 188.1337

■ 0.2728, 0.3453,
4.2006

■ 129.4835,
137.9111, 231.6637

■ 0.0000, 0.0000,
1.7360

162.1013,

■ 0.0000, 0.0000,

172.4995, 281.4381

0.3853

199.7827,
212.4356, 337.8755

■ 0.0000, 0.0000,
0.0000

■ 19.6517, 21.1555,
49.5020

■ 19.6517, 21.1555,
49.5020

■ 17.3156, 18.2391,
49.0626

■ 22.5132, 24.4985,
49.9969

■ 15.4607, 15.7214,
48.6744

■ 25.9345, 28.2885,
50.5481

■ 14.0386, 13.5739,
48.3349

■ 29.9498, 32.5470,
51.1584

■ 13.0698, 11.9587,
48.0742

■ 34.5893, 37.2934,
51.8300

■ 39.8815, 42.5455,
52.5649

■ 45.8526, 48.3203,
53.3648

■ 52.5276, 54.6337,
54.2316

■ 59.9300, 61.5013,
55.1670

■ 68.0823, 68.9374,
56.1727

Harmonies

Analogous

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



16.4524, 21.1555, 44.1346



19.6517, 21.1555, 49.5020



23.3768, 21.1555, 46.1958

Triad

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



19.6517, 21.1555, 49.5020



27.0879, 21.1555, 15.2343



14.8148, 21.1555, 13.5689

Complementary

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



19.6517, 21.1555, 49.5020



29.0097, 26.0871, 9.6382

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.



17.1584, 21.1555, 9.2937



19.6517, 21.1555, 49.5020



24.2678, 21.1555, 10.0309

Square

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



19.6517, 21.1555, 49.5020



27.9622, 21.1555, 24.3758



20.5706, 21.1555, 8.2282



13.8817, 21.1555, 21.7438

Rectangle

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



19.6517, 21.1555, 49.5020



25.6200, 21.1555, 39.9330



20.5706, 21.1555, 8.2282



15.4488, 21.1555, 11.7366

Sweetspot

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



19.6525, 21.1562, 49.5025



65.4362, 70.3444, 94.3304



23.9466, 37.9819, 25.5394



13.8185, 14.8979, 20.6898



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



19.6525, 21.1562, 49.5025



29.9619, 31.1787, 88.6403



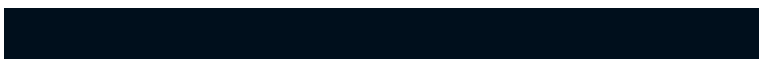
14.1070, 10.0653, 47.6540



8.8952, 9.4676, 11.4380



8.8683, 8.1962, 32.3677



0.3743, 0.4122, 1.1616

Inverse Universe

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



26.6645, 16.7134, 23.2940



44.4610, 24.8671, 33.8027



38.1889, 44.4454, 12.6979



9.1934, 9.0877, 10.3661



15.0900, 7.6097, 8.3606



0.5631, 0.2807, 0.4586

Previews

White Background



This preview shows how the XYZ color 19.6517, 21.1555, 49.5020 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 19.6517, 21.1555, 49.5020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

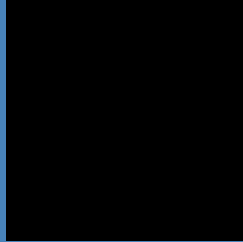
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6517, 21.1555, 49.5020

Background



This preview shows how black text looks on a background with the XYZ color 19.6517, 21.1555, 49.5020.



This preview shows how white text looks on a background with the XYZ color 19.6517, 21.1555,

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

19.6517, 21.1555, 49.5020

Protanopia

21.7325, 20.9396, 46.6124

Deuteranopia

21.5761, 21.1622, 49.9612



Tritanopia

16.0888, 21.1591, 31.6699

Trichromacy



Original Color

19.6517, 21.1555, 49.5020

Protanomaly

20.8559, 21.0305, 47.7598

Deuteranomaly

20.8086, 21.1500, 49.9993

Tritanomaly

17.1100, 20.9287, 37.3203

Monochromacy



Original Color

19.6517, 21.1555, 49.5020

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8352, 19.3125, 29.1732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6517, 21.1555, 49.5020 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(72, 131, 186)` looks like.

```
.text, #text, p{  
    color:rgb(72, 131, 186)  
}
```

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(72, 131, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 131, 186) }
```

Border

The CSS property to change the border of an element to XYZ 19.6517, 21.1555, 49.5020 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(72, 131, 186) }
```


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

```
.border{ border-color:rgb(72, 131, 186) }
```

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

Here you see how a box with a 4 pixel rgb(72, 131, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 131, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 131, 186);  
box-shadow:4px 4px 4px 4px rgb(72, 131,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6517, 21.1555, 49.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 131, 186) }
```

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

```
.background{ background-color: rgb(72, 131,  
186) }
```

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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