

Converting Colors

XYZ(19.9143, 22.0047, 49.6521)

Have a look what the booklet for
XYZ(19.9143, 22.0047, 49.6521)
contains.

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Color

**XYZ(19.9811, 22.1383,
49.6744)**

Conversions

Conversions Part 1

Format	Color
Hex	4587BA
RGB	69, 135, 186
RGB Percent	27%, 53%, 73%
CMY	0.7294, 0.4706, 0.2706
CMYK	0.63, 0.27, 0.00, 0.27
HSL	206°, 46%, 50%
HSV	206°, 63%, 73%
XYZ	19.9811, 22.1383, 49.6744
YIQ	121.0800, -55.7070, 1.8690

Conversions

Conversions Part 2

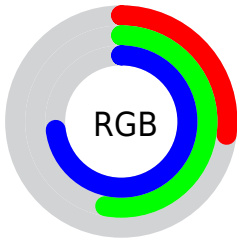
Format	Color
R _{YB}	69, 111, 186
Decimal	4556730
CIE _{Lab}	54.17, -5.17, -32.98
CIE _{LCh}	54, 33.379, 261.089
Y _{xy}	22.1383, 0.2177, 0.2412
Android (android.graphics.Color)	4282746810 (0xFF4587BA)
Y _{UV}	121.0800, 32.0056, -45.6742
Hunter-Lab	47.0514, -6.5370, -29.6594

Details

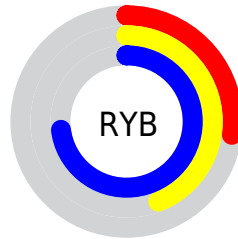
The XYZ color **19.9811, 22.1383, 49.6744** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.0413, 24.3030, 8.8442**, and the grayscale version is **18.1133, 19.0566, 20.7527**.

A 20% lighter version of the original color is **42.7626, 46.8893, 90.8011**, and **7.5614, 8.3490, 23.4033** is the 20% darker color. If you saturate the color by 10%, you get **17.7742, 19.3850, 49.2597**, and if you desaturate by 10%, it is **22.6892, 25.2786, 50.1382**.

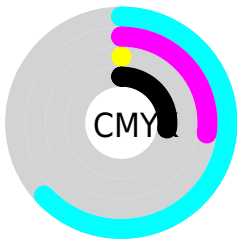
Distribution



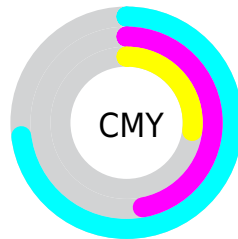
- Red (27%)
- Green (53%)
- Blue (73%)



- Red (27%)
- Yellow (44%)
- Blue (73%)



- Cyan (63%)
- Magenta (27%)
- Yellow (0%)
- Black (27%)



- Cyan (73%)
- Magenta (47%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9811, 22.1383, 49.6744 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 19.9811, 22.1383, 49.6744 by changing the saturation by 10% instead.

■ 19.9811, 22.1383,
49.6744

■ 19.9811, 22.1383,
49.6744

244.6483,
263.2677, 402.0898

■ 12.4895, 13.9586,
34.7854

■ 42.8897, 46.9745,
91.0836

■ 7.1525, 8.0918,
23.2154

■ 59.0374, 64.3997,
118.4409

■ 3.6048, 4.1538,
14.5458

■ 78.8011, 85.6755,
150.7913

■ 1.4811, 1.7600,
8.3582

■ 102.5463,
111.1864, 188.5534

■ 0.3129, 0.4620,
4.2340

■ 130.6382,
141.3166, 232.1458

■ 0.0000, 0.0000,
1.7545

163.4423,

■ 0.0000, 0.0000,

176.4506, 281.9870

0.3977

201.3239,
216.9728, 338.4955

■ 0.0000, 0.0000,
0.0000

■ 19.9811, 22.1383,
49.6744

■ 19.9811, 22.1383,
49.6744

■ 17.7742, 19.3850,
49.2597

■ 22.6892, 25.2786,
50.1382

■ 16.0240, 16.9919,
48.8901

■ 25.9330, 28.8253,
50.6519

■ 14.6814, 14.9311,
48.5630

■ 29.7464, 32.7990,
51.2179

■ 13.9066, 13.6324,
48.3532

■ 34.1594, 37.2177,
51.8382

■ 39.2001, 42.0983,
52.5146

■ 44.8946, 47.4569,
53.2487

■ 51.2673, 53.3083,
54.0423

■ 58.3416, 59.6669,
54.8968

■ 66.1395, 66.5463,
55.8136

Harmonies

Analogous

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



16.9626, 22.1383, 43.1997



19.9811, 22.1383, 49.6744



23.6492, 22.1383, 47.9215

Triad

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



19.9811, 22.1383, 49.6744



28.2335, 22.1383, 17.6153



16.0734, 22.1383, 13.6198

Complementary

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



19.9811, 22.1383, 49.6744



28.0413, 24.3030, 8.8442

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.



18.6335, 22.1383, 9.8710



19.9811, 22.1383, 49.6744



25.7276, 22.1383, 11.6750

Square

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



19.9811, 22.1383, 49.6744



28.7014, 22.1383, 27.3290



22.1394, 22.1383, 9.2791



14.8828, 22.1383, 21.1448

Rectangle

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



19.9811, 22.1383, 49.6744



25.9602, 22.1383, 42.4844



22.1394, 22.1383, 9.2791



16.7875, 22.1383, 11.9783

Sweetspot

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



19.9819, 22.1391, 49.6749



65.0583, 70.5330, 94.3867



23.3859, 37.7325, 23.7257



13.7691, 14.9875, 20.7097



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.



19.9819, 22.1391, 49.6749



31.0685, 33.6167, 89.0526



13.9579, 10.0912, 47.6670



8.9301, 9.5374, 11.4497



9.4315, 9.3227, 32.5554



0.3929, 0.4494, 1.1678

Inverse Universe

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



26.7517, 16.4455, 24.6867



44.9648, 24.8587, 37.1027



37.2847, 42.7898, 11.9253



9.2110, 9.0948, 10.4588



15.3743, 7.7235, 9.8576



0.5725, 0.2845, 0.5080

Previews

White Background



This preview shows how the XYZ color 19.9811, 22.1383, 49.6744 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 19.9811, 22.1383, 49.6744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

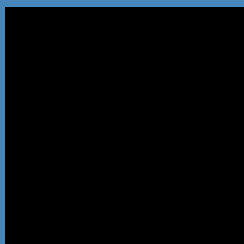
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

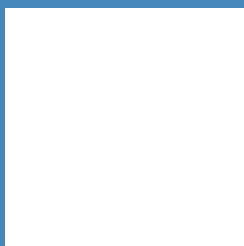
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9811, 22.1383, 49.6744

Background



This preview shows how black text looks on a background with the XYZ color 19.9811, 22.1383, 49.6744.



This preview shows how white text looks on a background with the XYZ color 19.9811, 22.1383,

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

19.9811, 22.1383, 49.6744

Protanopia

22.6376, 21.9847, 46.2304

Deuteranopia

22.6220, 22.0724, 50.6451



Tritanopia

16.6908, 22.0797, 33.5191

Trichromacy



Original Color

19.9811, 22.1383, 49.6744

Protanomaly

21.3559, 21.8840, 47.3544

Deuteranomaly

21.4996, 22.0958, 50.1455

Tritanomaly

17.7691, 22.0814, 38.9229

Monochromacy



Original Color

19.9811, 22.1383, 49.6744

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.0512, 19.7908, 29.6567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9811, 22.1383, 49.6744 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(69, 135, 186)` looks like.

```
.text, #text, p{  
    color:rgb(69, 135, 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(69, 135, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 135, 186) }
```

Border

The CSS property to change the border of an element to XYZ 19.9811, 22.1383, 49.6744 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(69, 135, 186) }
```


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

```
.border{ border-color:rgb(69, 135, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 135, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 135, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 135, 186);  
box-shadow:4px 4px 4px 4px rgb(69, 135,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9811, 22.1383, 49.6744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 135, 186) }
```

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

```
.background{ background-color: rgb(69, 135,  
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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