

Converting Colors

XYZ(18.7466, 20.4135, 49.5877)

Have a look what the booklet for
XYZ(18.7466, 20.4135, 49.5877)
contains.

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Color

**XYZ(18.7700, 20.5025,
49.4225)**

Conversions

Conversions Part 1

Format	Color
Hex	3D82BA
RGB	61, 130, 186
RGB Percent	24%, 51%, 73%
CMY	0.7608, 0.4902, 0.2706
CMYK	0.67, 0.30, 0.00, 0.27
HSL	207°, 51%, 48%
HSV	207°, 67%, 73%
XYZ	18.7700, 20.5025, 49.4225
YIQ	115.7530, -59.1000, 2.7880

Conversions

Conversions Part 2

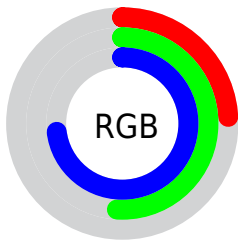
Format	Color
R_{YB}	61, 105, 186
Decimal	4031162
CIE _{Lab}	52.40, -3.66, -35.77
CIE _{LCh}	52, 35.959, 264.156
Yxy	20.5025, 0.2116, 0.2312
Android (android.graphics.Color)	4282221242 (0xFF3D82BA)
YUV	115.7530, 34.6318, -48.0184
Hunter-Lab	45.2797, -5.2450, -33.0189

Details

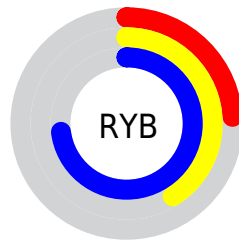
The XYZ color **18.7700, 20.5025, 49.4225** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.4544, 23.5003, 7.5049**, and the grayscale version is **16.4362, 17.2922, 18.8312**.

A 20% lighter version of the original color is **40.8457, 44.3427, 90.4106**, and **7.1073, 7.5508, 22.9127** is the 20% darker color. If you saturate the color by 10%, you get **16.7535, 17.8838, 49.0237**, and if you desaturate by 10%, it is **21.2748, 23.5068, 49.8708**.

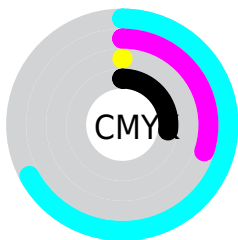
Distribution



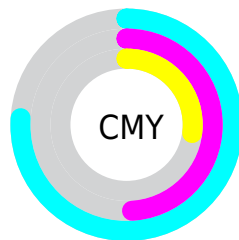
- Red (24%)
- Green (51%)
- Blue (73%)



- Red (24%)
- Yellow (41%)
- Blue (73%)



- Cyan (67%)
- Magenta (30%)
- Yellow (0%)
- Black (27%)



- Cyan (76%)
- Magenta (49%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7700, 20.5025, 49.4225 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 18.7700, 20.5025, 49.4225 by changing the saturation by 10% instead.

■ 18.7700, 20.5025,
49.4225

■ 18.7700, 20.5025,
49.4225

238.1386,
254.6226, 401.0734

■ 11.6072, 12.7608,
34.5868

■ 40.8650, 44.2581,
90.7061

■ 6.5471, 7.2641,
23.0637

■ 56.5279, 61.0408,
117.9911

■ 3.2243, 3.6278,
14.4348

■ 75.7549, 81.6059,
150.2629

■ 1.2735, 1.4676,
8.2815

■ 98.9113, 106.3380,
187.9401

■ 0.1632, 0.2658,
4.1853

■ 126.3626,
135.6213, 231.4412

■ 0.0000, 0.0000,
1.7275

158.4740,

■ 0.0000, 0.0000,

169.8402, 281.1848

0.3795

195.6109,
209.3792, 337.5893

■ 0.0000, 0.0000,
0.0000

■ 18.7700, 20.5025,
49.4225

■ 18.7700, 20.5025,
49.4225

■ 16.7535, 17.8838,
49.0237

■ 21.2748, 23.5068,
49.8708

■ 15.1777, 15.6222,
48.6703

■ 24.3045, 26.9177,
50.3695

■ 13.9800, 13.6824,
48.3590

■ 27.8948, 30.7568,
50.9213

■ 13.6804, 13.1801,
48.2778

■ 32.0770, 35.0432,
51.5282

■ 36.8801, 39.7945,
52.1921

■ 42.3313, 45.0274,
52.9149

■ 48.4557, 50.7576,
53.6981

■ 55.2773, 56.9999,
54.5435

■ 62.8187, 63.7685,
55.4525

Harmonies

Analogous

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



15.6028, 20.5025, 43.3049



18.7700, 20.5025, 49.4225



22.5529, 20.5025, 46.6201

Triad

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



18.7700, 20.5025, 49.4225



26.7436, 20.5025, 14.9667



14.2598, 20.5025, 12.3741

Complementary

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



18.7700, 20.5025, 49.4225



27.4544, 23.5003, 7.5049

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.



16.7124, 20.5025, 8.3946



18.7700, 20.5025, 49.4225



23.9676, 20.5025, 9.5251

Square

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



18.7700, 20.5025, 49.4225



27.4755, 20.5025, 24.4681



20.2221, 20.5025, 7.5485



13.2197, 20.5025, 20.3084

Rectangle

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



18.7700, 20.5025, 49.4225



24.8879, 20.5025, 40.4126



20.2221, 20.5025, 7.5485



14.9301, 20.5025, 10.6445

Sweetspot

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



18.7708, 20.5032, 49.4230



63.9975, 69.3409, 94.2125



22.5883, 37.3522, 22.2905



13.5485, 14.7318, 20.6720



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.



18.7708, 20.5032, 49.4230



28.8042, 30.2306, 88.5184



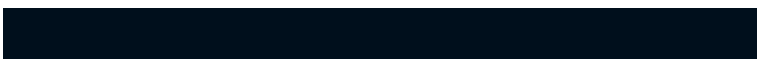
12.9370, 8.8357, 47.4784



8.9210, 9.5192, 11.4466



9.2794, 9.0185, 32.5047



0.3879, 0.4395, 1.1661

Inverse Universe

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



25.9484, 15.3892, 22.7224



43.5429, 23.2221, 32.9075



36.9468, 42.4850, 10.6690



9.2065, 9.0930, 10.4346



15.2975, 7.6928, 9.4534



0.5700, 0.2835, 0.4949

Previews

White Background



This preview shows how the XYZ color 18.7700, 20.5025, 49.4225 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 18.7700, 20.5025, 49.4225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

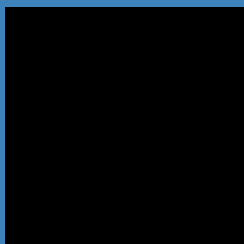
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

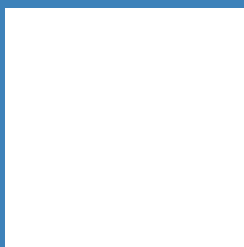
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7700, 20.5025, 49.4225

Background



This preview shows how black text looks on a background with the XYZ color 18.7700, 20.5025, 49.4225.

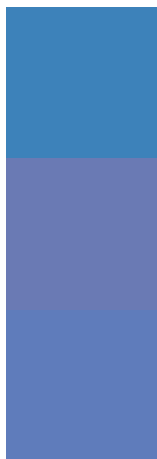


This preview shows how white text looks on a background with the XYZ color 18.7700, 20.5025,

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

18.7700, 20.5025, 49.4225

Protanopia

21.1416, 20.2785, 45.9799

Deuteranopia

20.8966, 20.4361, 49.8569



Tritanopia

15.0539, 20.4228, 31.1655

Trichromacy



Original Color

18.7700, 20.5025, 49.4225

Protanomaly

19.9936, 20.2183, 47.1047

Deuteranomaly

19.9978, 20.3486, 49.8874

Tritanomaly

16.1734, 20.2397, 37.2366

Monochromacy



Original Color

18.7700, 20.5025, 49.4225

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.4690, 18.0846, 27.8220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7700, 20.5025, 49.4225 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(61, 130, 186)` looks like.

```
.text, #text, p{  
    color:rgb(61, 130, 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(61, 130, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 130, 186) }
```

Border

The CSS property to change the border of an element to XYZ 18.7700, 20.5025, 49.4225 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(61, 130, 186) }
```


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

```
.border{ border-color:rgb(61, 130, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 130, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 130, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 130, 186);  
box-shadow:4px 4px 4px 4px rgb(61, 130,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7700, 20.5025, 49.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 130, 186) }
```

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

```
.background{ background-color: rgb(61, 130,  
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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