

Converting Colors

XYZ(22.6695, 20.8664, 74.8312)

Have a look what the booklet for
XYZ(22.6695, 20.8664, 74.8312)
contains.

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Color

**XYZ(22.6225, 20.7761,
74.7694)**

Conversions

Conversions Part 1

Format	Color
Hex	397CE2
RGB	57, 124, 226
RGB Percent	22%, 49%, 89%
CMY	0.7764, 0.5137, 0.1137
CMYK	0.75, 0.45, 0.00, 0.11
HSL	216°, 74%, 55%
HSV	216°, 75%, 89%
XYZ	22.6225, 20.7761, 74.7694
YIQ	115.5950, -72.6740, 17.5180

Conversions

Conversions Part 2

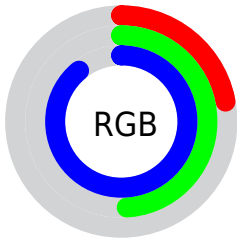
Format	Color
R _Y B	57, 105, 226
Decimal	3767522
CIE Lab	52.70, 13.73, -57.99
CIE LCh	53, 59.597, 283.317
Yxy	20.7761, 0.1914, 0.1758
Android (android.graphics.Color)	4281957602 (0xFF397CE2)
YUV	115.5950, 54.4297, -51.3878
Hunter-Lab	45.5808, 8.8261, -65.3510

Details

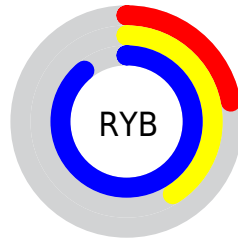
The XYZ color **22.6225, 20.7761, 74.7694** is a dark color, and the websafe version is hex **0066CC**. The color can be described as middle washed azure. A complement of this color would be **44.5037, 41.2655, 9.4921**, and the grayscale version is **16.3332, 17.1838, 18.7132**.

A 20% lighter version of the original color is **42.0328, 42.6306, 100.6209**, and **9.8401, 8.0712, 39.0695** is the 20% darker color. If you saturate the color by 10%, you get **20.0157, 17.0677, 74.1915**, and if you desaturate by 10%, it is **26.0405, 25.2541, 75.4541**.

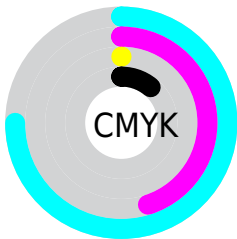
Distribution



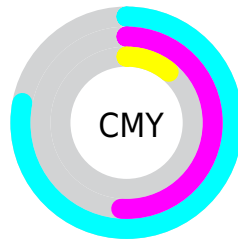
- Red (22%)
- Green (49%)
- Blue (89%)



- Red (22%)
- Yellow (41%)
- Blue (89%)



- Cyan (75%)
- Magenta (45%)
- Yellow (0%)
- Black (11%)



- Cyan (78%)
- Magenta (51%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6225, 20.7761, 74.7694 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 22.6225, 20.7761, 74.7694 by changing the saturation by 10% instead.

■ 22.6225, 20.7761,
74.7694

■ 22.6225, 20.7761,
74.7694

258.3518,
256.0862, 496.3588

■ 14.4342, 12.9604,
54.9234

■ 47.2440, 44.7146,
127.7300

■ 8.5070, 7.4013,
38.9422

■ 64.4078, 61.6062,
161.6816

■ 4.4755, 3.7143,
26.4073

■ 85.2942, 82.2920,
201.1723

■ 1.9745, 1.5151,
16.9001

■ 110.2685,
107.1562, 246.6204

■ 0.6196, 0.2993,
10.0021

■ 139.6960,
136.5834, 298.4446

■ 0.0000, 0.0000,
5.2947

173.9422,

■ 0.0000, 0.0000,

170.9578, 357.0634

2.3595

213.3723,
210.6640, 422.8953

■ 0.0000, 0.0000,
0.7642

■ 0.0000, 0.0000,
0.0000

■ 22.6225, 20.7761,
74.7694

■ 22.6225, 20.7761,
74.7694

■ 20.0157, 17.0677,
74.1915

■ 26.0405, 25.2541,
75.4541

■ 18.1253, 14.0652,
73.7116

■ 30.3436, 30.5528,
76.2500

■ 17.3490, 12.7339,
73.4955

■ 35.5994, 36.7201,
77.1634

■ 41.8678, 43.7989,
78.1994

■ 49.2034, 51.8290,
79.3627

■ 57.6566, 60.8476,
80.6580

■ 67.2744, 70.8897,
82.0894

■ 78.1013, 81.9883,
83.6610

■ 88.1589, 93.1337,
85.2822

Harmonies

Analogous

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



16.5185, 20.7761, 73.6237



22.6225, 20.7761, 74.7694



29.1073, 20.7761, 57.6668

Triad

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



22.6225, 20.7761, 74.7694



29.7533, 20.7761, 6.3523



10.3868, 20.7761, 14.1673

Complementary

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



22.6225, 20.7761, 74.7694



44.5037, 41.2655, 9.4921

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.



12.6453, 20.7761, 5.7635



22.6225, 20.7761, 74.7694



23.3711, 20.7761, 3.1453

Square

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



22.6225, 20.7761, 74.7694



33.7689, 20.7761, 15.6331



17.1262, 20.7761, 3.0080



10.2692, 20.7761, 31.4331

Rectangle

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



22.6225, 20.7761, 74.7694



32.4299, 20.7761, 41.6789



17.1262, 20.7761, 3.0080



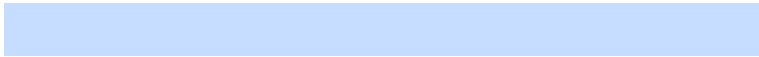
10.8952, 20.7761, 10.4923

Sweetspot

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



22.6234, 20.7767, 74.7700



67.4696, 71.1343, 104.7820



35.0913, 57.7460, 41.8279



13.8245, 14.5616, 22.3320



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



22.6234, 20.7767, 74.7700



24.7635, 20.0335, 97.1694



18.0087, 9.8710, 72.9082



13.3956, 14.1303, 17.4091



10.0059, 7.4813, 41.9650



0.7792, 0.6899, 2.9373

Inverse Universe

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



36.4662, 20.5517, 21.1138



44.7785, 23.2489, 18.7954



54.2588, 68.2589, 14.1882



13.9312, 13.7901, 15.4076



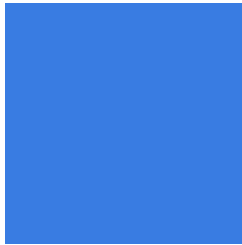
18.9907, 9.6633, 6.6168



1.3596, 0.6871, 0.6863

Previews

White Background



This preview shows how the XYZ color 22.6225, 20.7761, 74.7694 looks on a white background.

Color Contrast Check

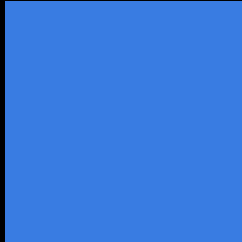
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6225, 20.7761, 74.7694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

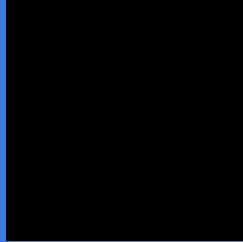
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

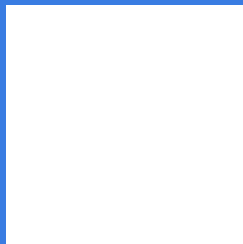
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6225, 20.7761, 74.7694

Background



This preview shows how black text looks on a background with the XYZ color 22.6225, 20.7761, 74.7694.



This preview shows how white text looks on a background with the XYZ color 22.6225, 20.7761,

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

22.6225, 20.7761, 74.7694

Protanopia

23.3946, 20.8374, 73.3100

Deuteranopia

21.3611, 20.7083, 74.1054



Tritanopia

14.6574, 20.6352, 31.6442

Trichromacy



Original Color

22.6225, 20.7761, 74.7694

Protanomaly

23.1278, 20.8674, 74.0430

Deuteranomaly

21.5869, 20.6340, 74.0792

Tritanomaly

16.7702, 20.3839, 44.6456

Monochromacy



Original Color

22.6225, 20.7761, 74.7694

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.3169, 18.0268, 34.0193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6225, 20.7761, 74.7694 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(57, 124, 226)` looks like.

```
.text, #text, p{  
    color:rgb(57, 124, 226)  
}
```

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(57, 124, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 124, 226) }
```

Border

The CSS property to change the border of an element to XYZ 22.6225, 20.7761, 74.7694 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(57, 124, 226) }
```


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

```
.border{ border-color:rgb(57, 124, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 124, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 124, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 124, 226);  
box-shadow:4px 4px 4px 4px rgb(57, 124,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6225, 20.7761, 74.7694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 124, 226) }
```

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

```
.background{ background-color: rgb(57, 124,  
226) }
```

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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