

Converting Colors

XYZ(22.4532, 20.5870, 61.5337)

Have a look what the booklet for
XYZ(22.4532, 20.5870, 61.5337)
contains.

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Color

**XYZ(22.5364, 20.6482,
61.8292)**

Conversions

Conversions Part 1

Format	Color
Hex	5B7ACF
RGB	91, 122, 207
RGB Percent	36%, 48%, 81%
CMY	0.6431, 0.5216, 0.1882
CMYK	0.56, 0.41, 0.00, 0.19
HSL	224°, 55%, 58%
HSV	224°, 56%, 81%
XYZ	22.5364, 20.6482, 61.8292
YIQ	122.4210, -45.7610, 19.8630

Conversions

Conversions Part 2

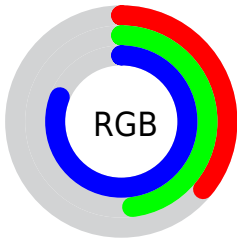
Format	Color
R _Y B	91, 115, 207
Decimal	5995215
CIE Lab	52.56, 13.94, -47.41
CIE LCh	53, 49.415, 286.389
Yxy	20.6482, 0.2146, 0.1966
Android (android.graphics.Color)	4284185295 (0xFF5B7ACF)
YUV	122.4210, 41.6974, -27.5562
Hunter-Lab	45.4403, 9.0077, -48.8659

Details

The XYZ color **22.5364, 20.6482, 61.8292** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **43.1472, 45.0735, 16.3248**, and the grayscale version is **18.5156, 19.4799, 21.2136**.

A 20% lighter version of the original color is **45.5805, 43.8817, 100.6754**, and **8.4696, 7.3467, 30.6774** is the 20% darker color. If you saturate the color by 10%, you get **19.0507, 16.2991, 61.1739**, and if you desaturate by 10%, it is **26.8771, 25.8702, 62.6088**.

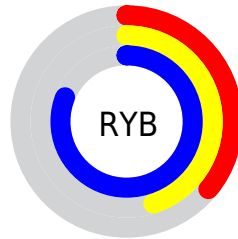
Distribution



Red (36%)

Green (48%)

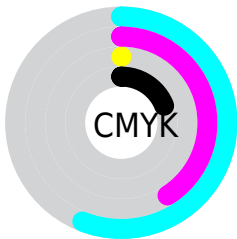
Blue (81%)



Red (36%)

Yellow (45%)

Blue (81%)

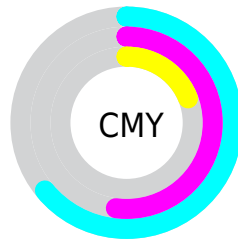


Cyan (56%)

Magenta (41%)

Yellow (0%)

Black (19%)



Cyan (64%)

Magenta (52%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5364, 20.6482, 61.8292 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 22.5364, 20.6482, 61.8292 by changing the saturation by 10% instead.

■ 22.5364, 20.6482,
61.8292

■ 22.5364, 20.6482,
61.8292

257.9149,
255.4029, 449.2982

■ 14.3704, 12.8671,
44.4598

■ 47.1032, 44.5013,
109.0478

■ 8.4621, 7.3371,
30.6923

■ 64.2348, 61.3421,
139.7342

■ 4.4463, 3.6738,
20.1082

■ 85.0855, 81.9716,
175.6965

■ 1.9576, 1.4928,
12.2888

■ 110.0208,
106.7741, 217.3535

■ 0.6100, 0.2837,
6.8158

139.4061,
136.1341, 265.1236

■ 0.0000, 0.0000,
3.2705

173.6066,

■ 0.0000, 0.0000,

170.4360, 319.4254

1.2343

212.9877,
210.0641, 380.6775

■ 0.0000, 0.0000,
0.0071

■ 0.0000, 0.0000,
0.0000

■ 22.5364, 20.6482,
61.8292

■ 22.5364, 20.6482,
61.8292

■ 19.0507, 16.2991,
61.1739

■ 26.8771, 25.8702,
62.6088

■ 16.3567, 12.7694,
60.6346

■ 32.1252, 32.0100,
63.5173

■ 14.3853, 10.0023,
60.2044

■ 38.3313, 39.1114,
64.5609

■ 13.0515, 7.9305,
59.8748

■ 45.5417, 47.2149,
65.7450

■ 12.6437, 7.2673,
59.7683

■ 53.7994, 56.3587,
67.0747

■ 63.1451, 66.5786,
68.5548

■ 73.6170, 77.9089,
70.1898

■ 84.6583, 90.0764,
71.9564

■ 88.2626, 97.2850,
73.1579

Harmonies

Analogous

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



17.3987, 20.6482, 62.5263



22.5364, 20.6482, 61.8292



27.6513, 20.6482, 48.0761

Triad

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



22.5364, 20.6482, 61.8292



27.2293, 20.6482, 7.6236



11.5280, 20.6482, 16.4787

Complementary

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



22.5364, 20.6482, 61.8292



43.1472, 45.0735, 16.3248

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.



13.3256, 20.6482, 8.1034



22.5364, 20.6482, 61.8292



22.0346, 20.6482, 4.7052

Square

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



22.5364, 20.6482, 61.8292



30.6663, 20.6482, 15.4284



16.9767, 20.6482, 4.8310



11.6148, 20.6482, 31.4130

Rectangle

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



22.5364, 20.6482, 61.8292



30.0988, 20.6482, 35.7712



16.9767, 20.6482, 4.8310



11.9164, 20.6482, 12.9750

Sweetspot

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



22.5372, 20.6489, 61.8297



71.5508, 74.0655, 105.1327



34.2811, 49.9117, 47.9408



14.7918, 15.2678, 22.4173



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.



22.5372, 20.6489, 61.8297



29.6762, 25.0249, 97.8739



22.2250, 15.7106, 60.8930



11.4170, 11.9242, 14.9435



8.0332, 4.7130, 37.6788



0.5153, 0.3958, 2.1288

Inverse Universe

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



32.9868, 22.1538, 20.9503



48.4381, 29.2304, 24.1392



43.4619, 55.3105, 18.2841



11.9366, 11.8594, 12.9420



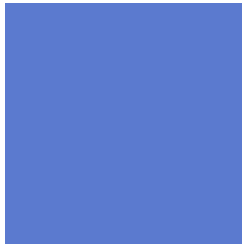
16.6855, 8.5470, 3.2502



0.9663, 0.4913, 0.3575

Previews

White Background



This preview shows how the XYZ color 22.5364, 20.6482, 61.8292 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 22.5364, 20.6482, 61.8292 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 22.5364, 20.6482, 61.8292

Background



This preview shows how black text looks on a background with the XYZ color 22.5364, 20.6482, 61.8292.



This preview shows how white text looks on a background with the XYZ color 22.5364, 20.6482,

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

22.5364, 20.6482, 61.8292

Protanopia

22.4385, 20.5977, 61.8246

Deuteranopia

21.3491, 20.7944, 61.2810



Tritanopia

16.2362, 20.6322, 30.3208

Trichromacy



Original Color

22.5364, 20.6482, 61.8292

Protanomaly

22.4385, 20.5977, 61.8246

Deuteranomaly

21.7825, 20.8289, 61.2648

Tritanomaly

18.0310, 20.3289, 40.0193

Monochromacy



Original Color

22.5364, 20.6482, 61.8292

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.2648, 19.5985, 32.9045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5364, 20.6482, 61.8292 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(91, 122, 207)` looks like.

```
.text, #text, p{  
    color:rgb(91, 122, 207)  
}
```

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(91, 122, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 122, 207) }
```

Border

The CSS property to change the border of an element to XYZ 22.5364, 20.6482, 61.8292 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(91, 122, 207) }
```


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

```
.border{ border-color:rgb(91, 122, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 122, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 122, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 122, 207); box-shadow:4px 4px 4px 4px rgb(91, 122, 207) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5364, 20.6482, 61.8292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 122, 207) }
```

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

```
.background{ background-color: rgb(91, 122,  
207) }
```

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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