

Converting Colors

XYZ(21.9614, 20.7659, 63.8251)

Have a look what the booklet for
XYZ(21.9614, 20.7659, 63.8251)
contains.

XYZ(21.9011, 20.6462, 63.8036)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.9011, 20.6462,
63.8036)**

Conversions

Conversions Part 1

Format	Color
Hex	4D7CD2
RGB	77, 124, 210
RGB Percent	30%, 49%, 82%
CMY	0.6980, 0.5137, 0.1765
CMYK	0.63, 0.41, 0.00, 0.18
HSL	219°, 60%, 56%
HSV	219°, 63%, 82%
XYZ	21.9011, 20.6462, 63.8036
YIQ	119.7510, -55.6180, 16.7820

Conversions

Conversions Part 2

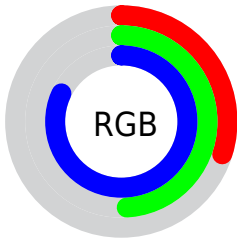
Format	Color
RYB	77, 112, 210
Decimal	5078226
CIELab	52.56, 11.02, -49.16
CIELCh	53, 50.375, 282.632
Yxy	20.6462, 0.2059, 0.1941
Android (android.graphics.Color)	4283268306 (0xFF4D7CD2)
YUV	119.7510, 44.4928, -37.4926
Hunter-Lab	45.4381, 6.5201, -51.4476

Details

The XYZ color **21.9011, 20.6462, 63.8036** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **41.0169, 40.4347, 12.6655**, and the grayscale version is **17.6494, 18.5686, 20.2212**.

A 20% lighter version of the original color is **43.8919, 43.5890, 100.7079**, and **8.5008, 7.5354, 32.0168** is the 20% darker color. If you saturate the color by 10%, you get **18.8858, 16.7372, 63.2085**, and if you desaturate by 10%, it is **25.6993, 25.3072, 64.5035**.

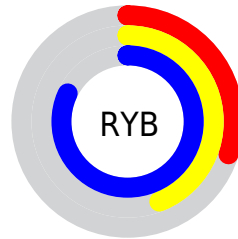
Distribution



Red (30%)

Green (49%)

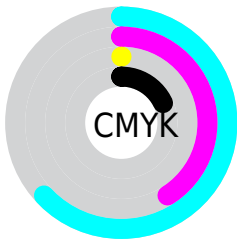
Blue (82%)



Red (30%)

Yellow (44%)

Blue (82%)

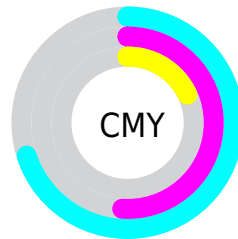


Cyan (63%)

Magenta (41%)

Yellow (0%)

Black (18%)



Cyan (70%)

Magenta (51%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9011, 20.6462, 63.8036 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 21.9011, 20.6462, 63.8036 by changing the saturation by 10% instead.

■ 21.9011, 20.6462,
63.8036

■ 21.9011, 20.6462,
63.8036

254.6714,
255.3922, 456.6680

■ 13.9004, 12.8656,
46.0465

■ 46.0626, 44.4980,
111.9248

■ 8.1327, 7.3361,
31.9336

■ 62.9541, 61.3380,
143.1259

■ 4.2325, 3.6732,
21.0464

■ 83.5399, 81.9665,
179.6454

■ 1.8345, 1.4925,
12.9663

■ 108.1854,
106.7681, 221.9019

■ 0.5383, 0.2834,
7.2749

137.2560,
136.1271, 270.3139

■ 0.0000, 0.0000,
3.5536

171.1169,

■ 0.0000, 0.0000,

170.4278, 325.2998

1.3838

210.1336,
210.0547, 387.2784

■ 0.0000, 0.0000,
0.1290

■ 0.0000, 0.0000,
0.0000

■ 21.9011, 20.6462,
63.8036

■ 21.9011, 20.6462,
63.8036

■ 18.8858, 16.7372,
63.2085

■ 25.6993, 25.3072,
64.5035

■ 16.5864, 13.5308,
62.7108

■ 30.3342, 30.7606,
65.3118

■ 14.9275, 10.9733,
62.3045

■ 35.8578, 37.0459,
66.2339

■ 14.0954, 9.5780,
62.0791

■ 42.3166, 44.1993,
67.2742

■ 49.7538, 52.2544,
68.4370

■ 58.2099, 61.2431,
69.7263

■ 67.7229, 71.1955,
71.1460

■ 78.3287, 82.1405,
72.6996

■ 85.8951, 91.9574,
74.1956

Harmonies

Analogous

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



16.7779, 20.6462, 62.5795



21.9011, 20.6462, 63.8036



27.2354, 20.6462, 50.9473

Triad

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



21.9011, 20.6462, 63.8036



27.9714, 20.6462, 8.0924



11.5195, 20.6462, 14.9462

Complementary

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



21.9011, 20.6462, 63.8036



41.0169, 40.4347, 12.6655

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.



13.5813, 20.6462, 7.2722



21.9011, 20.6462, 63.8036



22.7742, 20.6462, 4.6942

Square

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



21.9011, 20.6462, 63.8036



31.1351, 20.6462, 16.7624



17.5097, 20.6462, 4.4812



11.3697, 20.6462, 29.3696

Rectangle

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



21.9011, 20.6462, 63.8036



29.9529, 20.6462, 38.4494



17.5097, 20.6462, 4.4812



11.9926, 20.6462, 11.6876

Sweetspot

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



21.9019, 20.6469, 63.8041



70.2236, 73.5547, 105.1040



32.5619, 50.2532, 41.8114



14.3387, 14.9906, 22.3877



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.



21.9019, 20.6469, 63.8041



27.9269, 24.0986, 97.7873



18.9797, 12.3810, 62.3627



11.5006, 12.0914, 14.9714



8.6841, 6.0147, 37.8957



0.5595, 0.4841, 2.1435

Inverse Universe

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



32.8711, 20.4659, 21.2870



46.9272, 26.2220, 23.5945



46.1928, 57.8710, 15.7582



11.9788, 11.8763, 13.1642



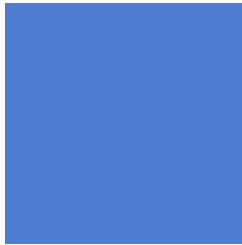
17.0140, 8.6785, 4.9801



0.9886, 0.5002, 0.4749

Previews

White Background



This preview shows how the XYZ color 21.9011, 20.6462, 63.8036 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 21.9011, 20.6462, 63.8036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

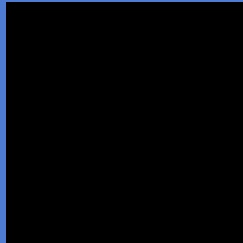
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9011, 20.6462, 63.8036

Background



This preview shows how black text looks on a background with the XYZ color 21.9011, 20.6462, 63.8036.



This preview shows how white text looks on a background with the XYZ color 21.9011, 20.6462,

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

21.9011, 20.6462, 63.8036

Protanopia

22.4645, 20.5970, 62.4661

Deuteranopia

21.3405, 20.7331, 63.8499



Tritanopia

15.3297, 20.5649, 31.1784

Trichromacy



Original Color

21.9011, 20.6462, 63.8036

Protanomaly

22.3379, 20.7007, 63.1399

Deuteranomaly

21.4923, 20.6225, 63.8205

Tritanomaly

17.2328, 20.2836, 41.5349

Monochromacy



Original Color

21.9011, 20.6462, 63.8036

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.2961, 18.9177, 32.8242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9011, 20.6462, 63.8036 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(77, 124, 210)` looks like.

```
.text, #text, p{  
    color:rgb(77, 124, 210)  
}
```

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(77, 124, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 124, 210) }
```

Border

The CSS property to change the border of an element to XYZ 21.9011, 20.6462, 63.8036 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(77, 124, 210) }
```


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

```
.border{ border-color:rgb(77, 124, 210) }
```

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

Here you see how a box with a 4 pixel rgb(77, 124, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 124, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 124, 210);  
box-shadow:4px 4px 4px 4px rgb(77, 124,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9011, 20.6462, 63.8036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 124, 210) }
```

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

```
.background{ background-color: rgb(77, 124,  
210) }
```

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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