

Converting Colors

XYZ(22.5779, 21.6376, 52.8205)

Have a look what the booklet for
XYZ(22.5779, 21.6376, 52.8205)
contains.

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Color

**XYZ(22.5688, 21.6110,
52.8510)**

Conversions

Conversions Part 1

Format	Color
Hex	677EC0
RGB	103, 126, 192
RGB Percent	40%, 49%, 75%
CMY	0.5961, 0.5059, 0.2471
CMYK	0.46, 0.34, 0.00, 0.25
HSL	224°, 41%, 58%
HSV	224°, 46%, 75%
XYZ	22.5688, 21.6110, 52.8510
YIQ	126.6470, -34.8940, 15.6500

Conversions

Conversions Part 2

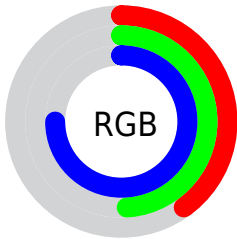
Format	Color
R_{YB}	103, 121, 192
Decimal	6782656
CIE _{Lab}	53.61, 9.57, -37.16
CIE _{LCh}	54, 38.371, 284.439
Yxy	21.6110, 0.2326, 0.2227
Android (android.graphics.Color)	4284972736 (0xFF677EC0)
YUV	126.6470, 32.2190, -20.7384
Hunter-Lab	46.4876, 5.3048, -34.8645

Details

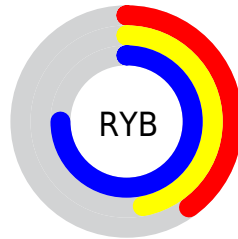
The XYZ color **22.5688, 21.6110, 52.8510** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.3754, 40.5630, 18.6399**, and the grayscale version is **19.9543, 20.9935, 22.8619**.

A 20% lighter version of the original color is **47.1198, 45.9494, 96.0082**, and **8.4602, 7.7711, 25.0988** is the 20% darker color. If you saturate the color by 10%, you get **18.9212, 17.2177, 52.1957**, and if you desaturate by 10%, it is **26.9828, 26.7848, 53.6174**.

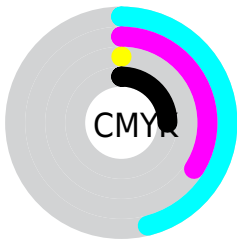
Distribution



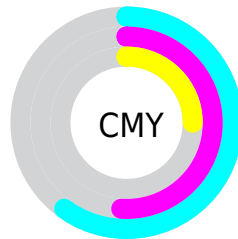
- Red (40%)
- Green (49%)
- Blue (75%)



- Red (40%)
- Yellow (47%)
- Blue (75%)



- Cyan (46%)
- Magenta (34%)
- Yellow (0%)
- Black (25%)



- Cyan (60%)
- Magenta (51%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5688, 21.6110, 52.8510 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 22.5688, 21.6110, 52.8510 by changing the saturation by 10% instead.

■ 22.5688, 21.6110,
52.8510

■ 22.5688, 21.6110,
52.8510

258.0794,
260.5080, 414.7633

■ 14.3944, 13.5713,
37.2969

■ 47.1562, 46.1022,
95.8244

■ 8.4790, 7.8231,
25.1399

■ 64.2999, 63.3226,
124.0808

■ 4.4573, 3.9820,
15.9613

■ 85.1641, 84.3720,
157.4084

■ 1.9640, 1.6635,
9.3427

■ 110.1141,
109.6348, 196.2258

■ 0.6136, 0.3998,
4.8656

139.5152,
139.4954, 240.9514

■ 0.0000, 0.0000,
2.1112

173.7329,

■ 0.0000, 0.0000,

174.3382, 292.0038

0.6224

213.1325,
214.5476, 349.8016

■ 0.0000, 0.0000,
0.0000

■ 22.5688, 21.6110,
52.8510

■ 22.5688, 21.6110,
52.8510

■ 18.9212, 17.2177,
52.1957

■ 26.9828, 26.7848,
53.6174

■ 15.9917, 13.5628,
51.6446

■ 32.2027, 32.7737,
54.4983

■ 13.7297, 10.6033,
51.1926

■ 38.2683, 39.6128,
55.4987

■ 12.0768, 8.2902,
50.8332

■ 45.2159, 47.3345,
56.6229

■ 10.9593, 6.5652,
50.5592

■ 53.0794, 55.9695,
57.8752

■ 10.6387, 6.0542,
50.4774

■ 61.8913, 65.5469,
59.2594

■ 71.6821, 76.0945,
60.7792

■ 81.8883, 87.3333,
62.4106

■ 86.2437, 96.0441,
63.8624

Harmonies

Analogous

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



18.4983, 21.6110, 52.6550



22.5688, 21.6110, 52.8510



26.5666, 21.6110, 43.6026

Triad

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



22.5688, 21.6110, 52.8510



26.6964, 21.6110, 11.0026



13.8461, 21.6110, 17.9807

Complementary

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



22.5688, 21.6110, 52.8510



38.3754, 40.5630, 18.6399

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.



15.5026, 21.6110, 10.8153



22.5688, 21.6110, 52.8510



22.7280, 21.6110, 7.7981

Square

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



22.5688, 21.6110, 52.8510



29.1560, 21.6110, 18.3401



18.6377, 21.6110, 7.7434



13.8154, 21.6110, 29.6185

Rectangle

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



22.5688, 21.6110, 52.8510



28.5012, 21.6110, 34.6734



18.6377, 21.6110, 7.7434



14.2203, 21.6110, 15.0745

Sweetspot

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



22.5696, 21.6118, 52.8515



71.8822, 74.6169, 100.9742



31.5367, 43.4206, 43.8958



14.8633, 15.3845, 21.5714



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.5696, 21.6118, 52.8515



33.9618, 30.8025, 94.5158



22.6442, 17.7751, 52.1070



9.7352, 10.1617, 12.7331



7.2130, 4.1825, 33.9838



0.3696, 0.2966, 1.4877

Inverse Universe

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



30.3551, 22.4143, 22.4658



50.1573, 33.5269, 31.0704



38.1440, 47.3633, 19.9647



10.1776, 10.1197, 11.0260



15.0368, 7.7045, 2.8397



0.6789, 0.3446, 0.2767

Previews

White Background



This preview shows how the XYZ color 22.5688, 21.6110, 52.8510 looks on a white background.

Color Contrast Check

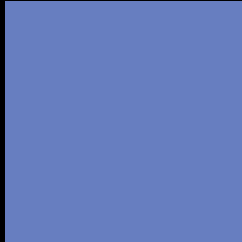
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5688, 21.6110, 52.8510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

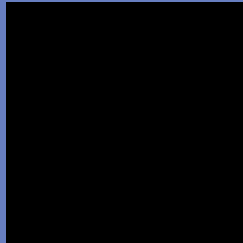
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

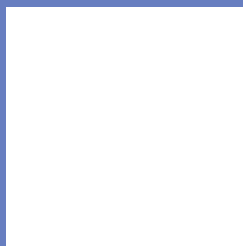
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.5688, 21.6110, 52.8510

Background



This preview shows how black text looks on a background with the XYZ color 22.5688, 21.6110, 52.8510.

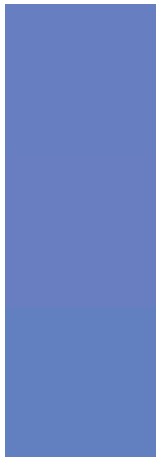


This preview shows how white text looks on a background with the XYZ color 22.5688, 21.6110,

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

22.5688, 21.6110, 52.8510

Protanopia

22.8010, 21.7307, 52.8619

Deuteranopia

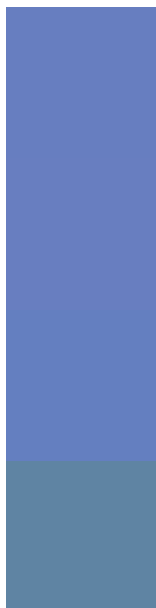
22.1408, 21.5812, 52.8678



Tritanopia

18.0687, 21.5769, 30.4066

Trichromacy



Original Color

22.5688, 21.6110, 52.8510

Protanomaly

22.6842, 21.6705, 52.8564

Deuteranomaly

22.3593, 21.6938, 52.8780

Tritanomaly

19.5814, 21.5798, 37.7836

Monochromacy



Original Color

22.5688, 21.6110, 52.8510

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.6465, 21.2647, 32.2945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5688, 21.6110, 52.8510 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(103, 126, 192)` looks like.

```
.text, #text, p{  
    color:rgb(103, 126, 192)  
}
```

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(103, 126, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 126, 192) }
```

Border

The CSS property to change the border of an element to XYZ 22.5688, 21.6110, 52.8510 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(103, 126, 192) }
```


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

```
.border{ border-color:rgb(103, 126, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 126, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 126, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 126, 192);  
box-shadow:4px 4px 4px 4px rgb(103, 126,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5688, 21.6110, 52.8510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 126, 192) }
```

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

```
.background{ background-color: rgb(103,  
126, 192) }
```

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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