

Converting Colors

XYZ(22.3848, 25.9610, 46.1574)

Have a look what the booklet for
XYZ(22.3848, 25.9610, 46.1574)
contains.

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Color

**XYZ(22.2452, 25.7984,
45.9266)**

Conversions

Conversions Part 1

Format	Color
Hex	5792B2
RGB	87, 146, 178
RGB Percent	34%, 57%, 70%
CMY	0.6588, 0.4274, 0.3020
CMYK	0.51, 0.18, 0.00, 0.30
HSL	201°, 37%, 52%
HSV	201°, 51%, 70%
XYZ	22.2452, 25.7984, 45.9266
YIQ	132.0070, -45.4360, -2.5560

Conversions

Conversions Part 2

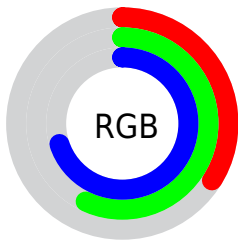
Format	Color
R _Y B	87, 123, 178
Decimal	5739186
CIE Lab	57.85, -10.17, -22.67
CIE LCh	58, 24.847, 245.847
Yxy	25.7984, 0.2367, 0.2745
Android (android.graphics.Color)	4283929266 (0xFF5792B2)
YUV	132.0070, 22.6745, -39.4711
Hunter-Lab	50.7921, -10.7094, -18.0560

Details

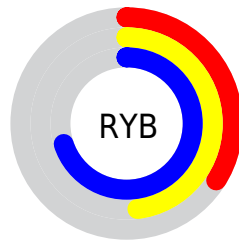
The XYZ color **22.2452, 25.7984, 45.9266** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.6777, 23.3473, 12.1179**, and the grayscale version is **21.8680, 23.0068, 25.0544**.

A 20% lighter version of the original color is **46.6609, 52.9998, 85.6126**, and **8.3365, 10.0794, 20.9082** is the 20% darker color. If you saturate the color by 10%, you get **19.8453, 23.1683, 45.5459**, and if you desaturate by 10%, it is **25.1094, 28.7473, 46.3453**.

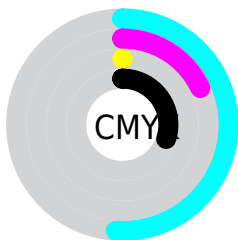
Distribution



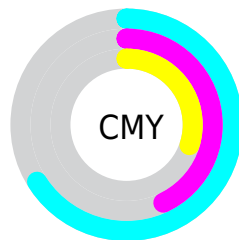
- Red (34%)
- Green (57%)
- Blue (70%)



- Red (34%)
- Yellow (48%)
- Blue (70%)



- Cyan (51%)
- Magenta (18%)
- Yellow (0%)
- Black (30%)



- Cyan (66%)
- Magenta (43%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2452, 25.7984, 45.9266 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 22.2452, 25.7984, 45.9266 by changing the saturation by 10% instead.

■ 22.2452, 25.7984,
45.9266

■ 22.2452, 25.7984,
45.9266

256.4325,
281.7910, 386.7825

■ 14.1548, 16.6729,
31.8397

■ 46.6268, 52.9495,
85.4423

■ 8.3108, 10.0015,
20.9753

■ 63.6486, 71.7439,
111.7081

■ 4.3479, 5.4000,
12.9148

■ 84.3784, 94.5301,
142.8706

■ 1.9008, 2.4838,
7.2399

■ 109.1813,
121.6924, 179.3483

■ 0.5773, 0.8685,
3.5319

138.4229,
153.6153, 221.5598

■ 0.0000, 0.0000,
1.3722

172.4683,

■ 0.0000, 0.0000,

190.6831, 269.9237

0.1199

211.6831,
233.2802, 324.8584

■ 0.0000, 0.0000,
0.0000

■ 22.2452, 25.7984,
45.9266

■ 22.2452, 25.7984,
45.9266

■ 19.8453, 23.1683,
45.5459

■ 25.1094, 28.7473,
46.3453

■ 17.8756, 20.8367,
45.1997

■ 28.4637, 32.0280,
46.8018

■ 16.3011, 18.7847,
44.8866

■ 32.3348, 35.6560,
47.2980

■ 15.0795, 16.9893,
44.6044

■ 36.7470, 39.6449,
47.8354

■ 14.2134, 15.5693,
44.3760

■ 41.7225, 44.0073,
48.4152

■ 47.2825, 48.7553,
49.0386

■ 53.4471, 53.9003,
49.7068

■ 60.2352, 59.4532,
50.4208

■ 67.6651, 65.4243,
51.1817

Harmonies

Analogous

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



20.1543, 25.7984, 38.8635



22.2452, 25.7984, 45.9266



25.1102, 25.7984, 47.8318

Triad

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



22.2452, 25.7984, 45.9266



30.6882, 25.7984, 26.4479



21.3092, 25.7984, 16.7570

Complementary

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



22.2452, 25.7984, 45.9266



26.6777, 23.3473, 12.1179

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.



23.9403, 25.7984, 14.7006



22.2452, 25.7984, 45.9266



29.4760, 25.7984, 19.5180

Square

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



22.2452, 25.7984, 45.9266



30.1423, 25.7984, 35.3710



26.9461, 25.7984, 15.5977



19.6453, 25.7984, 21.8839

Rectangle

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



22.2452, 25.7984, 45.9266



27.1102, 25.7984, 45.6422



26.9461, 25.7984, 15.5977



22.1014, 25.7984, 15.7368

Sweetspot

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



22.2460, 25.7994, 45.9272



63.2056, 68.8190, 86.3333



23.1723, 35.1959, 22.9785



13.6345, 14.9133, 19.0822



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.2460, 25.7994, 45.9272



35.6222, 41.5967, 82.5326



16.5868, 14.4809, 44.0408



8.4862, 9.1185, 10.8191



10.2305, 11.2614, 31.7715



0.3742, 0.4589, 1.0171

Inverse Universe

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



26.9573, 18.3574, 29.3177



45.4654, 27.9499, 47.4039



33.4191, 36.8301, 14.3651



8.7206, 8.5950, 10.0271



15.3985, 7.6770, 12.5246



0.5109, 0.2521, 0.5331

Previews

White Background



This preview shows how the XYZ color 22.2452, 25.7984, 45.9266 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 22.2452, 25.7984, 45.9266 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

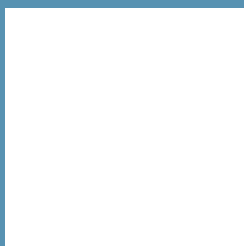
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2452, 25.7984, 45.9266

Background



This preview shows how black text looks on a background with the XYZ color 22.2452, 25.7984, 45.9266.



This preview shows how white text looks on a background with the XYZ color 22.2452, 25.7984,

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

22.2452, 25.7984, 45.9266

Protanopia

25.5980, 25.6157, 42.6249

Deuteranopia

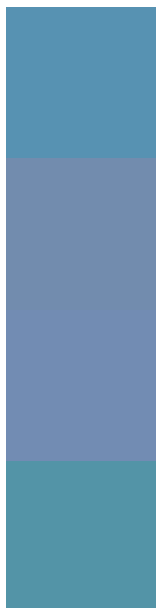
26.0956, 25.5707, 46.7403



Tritanopia

20.5738, 25.8174, 37.6171

Trichromacy



Original Color

22.2452, 25.7984, 45.9266

Protanomaly

23.9575, 25.3896, 43.6824

Deuteranomaly

24.4542, 25.5882, 46.2980

Tritanomaly

21.1322, 25.8088, 40.4270

Monochromacy



Original Color

22.2452, 25.7984, 45.9266

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.5729, 23.7743, 31.8856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2452, 25.7984, 45.9266 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(87, 146, 178)` looks like.

```
.text, #text, p{  
    color:rgb(87, 146, 178)  
}
```

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(87, 146, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 146, 178) }
```

Border

The CSS property to change the border of an element to XYZ 22.2452, 25.7984, 45.9266 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(87, 146, 178) }
```


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

```
.border{ border-color:rgb(87, 146, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 146, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 146, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 146, 178);  
box-shadow:4px 4px 4px 4px rgb(87, 146,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2452, 25.7984, 45.9266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 146, 178) }
```

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

```
.background{ background-color: rgb(87, 146,  
178) }
```

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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