

Converting Colors

XYZ(22.8650, 25.3911, 60.8139)

Have a look what the booklet for
XYZ(22.8650, 25.3911, 60.8139)
contains.

XYZ(22.8589, 25.3303, 60.8112)	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(22.8589, 25.3303,
60.8112)**

Conversions

Conversions Part 1

Format	Color
Hex	3E90CC
RGB	62, 144, 204
RGB Percent	24%, 56%, 80%
CMY	0.7568, 0.4353, 0.2000
CMYK	0.70, 0.29, 0.00, 0.20
HSL	205°, 58%, 52%
HSV	205°, 70%, 80%
XYZ	22.8589, 25.3303, 60.8112
YIQ	126.3220, -68.1320, 1.2760

Conversions

Conversions Part 2

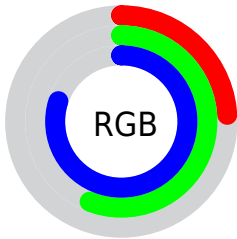
Format	Color
R_{YB}	62, 114, 204
Decimal	4100300
CIE _{Lab}	57.40, -5.42, -38.16
CIE _{LCh}	57, 38.543, 261.913
Yxy	25.3303, 0.2097, 0.2324
Android (android.graphics.Color)	4282290380 (0xFF3E90CC)
YUV	126.3220, 38.2953, -56.4104
Hunter-Lab	50.3292, -7.0037, -36.4078

Details

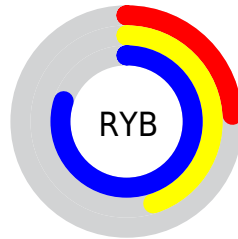
The XYZ color **22.8589, 25.3303, 60.8112** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **32.7321, 27.1061, 8.0654**, and the grayscale version is **19.8321, 20.8650, 22.7219**.

A 20% lighter version of the original color is **46.7015, 51.9681, 102.1772**, and **9.4275, 10.1753, 29.9009** is the 20% darker color. If you saturate the color by 10%, you get **20.5554, 22.2784, 60.3441**, and if you desaturate by 10%, it is **25.7439, 28.8308, 61.3353**.

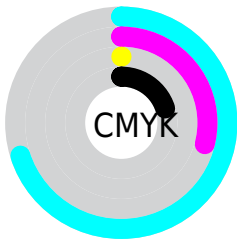
Distribution



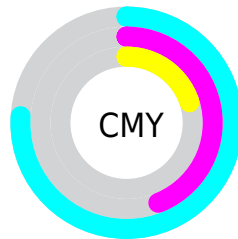
- Red (24%)
- Green (56%)
- Blue (80%)



- Red (24%)
- Yellow (45%)
- Blue (80%)



- Cyan (70%)
- Magenta (29%)
- Yellow (0%)
- Black (20%)



- Cyan (76%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8589, 25.3303, 60.8112 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 22.8589, 25.3303, 60.8112 by changing the saturation by 10% instead.

■ 22.8589, 25.3303,
60.8112

■ 22.8589, 25.3303,
60.8112

259.5483,
279.4789, 445.4688

■ 14.6095, 16.3233,
43.6433

■ 47.6299, 52.1926,
107.5604

■ 8.6303, 9.7532,
30.0550

■ 64.8822, 70.8166,
137.9787

■ 4.5560, 5.2356,
19.6279

■ 85.8661, 93.4152,
173.6509

■ 2.0212, 2.3862,
11.9435

■ 110.9471,
120.3726, 214.9955

■ 0.6458, 0.8188,
6.5831

■ 140.4905,
152.0733, 262.4310

■ 0.0000, 0.0000,
3.1283

174.8616,

■ 0.0000, 0.0000,

188.9016, 316.3761

1.1605

214.4257,
231.2420, 377.2491

■ 0.0000, 0.0000,
0.0000

■ 22.8589, 25.3303,
60.8112

■ 22.8589, 25.3303,
60.8112

■ 20.5554, 22.2784,
60.3441

■ 25.7439, 28.8308,
61.3353

■ 18.7715, 19.6387,
59.9286

■ 29.2579, 32.8063,
61.9175

■ 17.4045, 17.3552,
59.5599

■ 33.4462, 37.2837,
62.5609

■ 17.3542, 17.2697,
59.5460

■ 38.3489, 42.2867,
63.2682

■ 44.0027, 47.8370,
64.0415

■ 50.4416, 53.9551,
64.8831

■ 57.6974, 60.6601,
65.7949

■ 65.8002, 67.9701,
66.7788

■ 74.7784, 75.9026,
67.8367

Harmonies

Analogous

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



19.0453, 25.3303, 52.5507



22.8589, 25.3303, 60.8112



27.5113, 25.3303, 58.1899

Triad

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



22.8589, 25.3303, 60.8112



33.1970, 25.3303, 19.2039



17.7927, 25.3303, 14.7726

Complementary

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



22.8589, 25.3303, 60.8112



32.7321, 27.1061, 8.0654

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.



20.9388, 25.3303, 10.1843



22.8589, 25.3303, 60.8112



29.9219, 25.3303, 12.1202

Square

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



22.8589, 25.3303, 60.8112



33.8808, 25.3303, 31.2797



25.3349, 25.3303, 9.3973



16.3722, 25.3303, 24.1849

Rectangle

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



22.8589, 25.3303, 60.8112



30.4452, 25.3303, 50.9059



25.3349, 25.3303, 9.3973



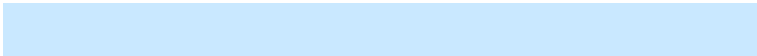
18.6630, 25.3303, 12.7561

Sweetspot

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



22.8598, 25.3312, 60.8118



71.2202, 77.6232, 105.8368



27.0419, 45.5952, 25.5199



14.6688, 16.0536, 22.5755



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.



22.8598, 25.3312, 60.8118



32.3199, 34.4141, 99.5469



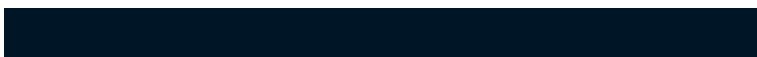
15.3244, 10.2603, 58.3000



11.1307, 11.9018, 14.2810



11.0167, 11.0574, 37.5099



0.6425, 0.7187, 1.9598

Inverse Universe

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



31.6593, 18.2972, 28.2494



48.7713, 25.5302, 37.7118



44.6584, 50.9585, 12.0408



11.4793, 11.3205, 13.0587



17.7716, 8.9192, 11.7820



0.9542, 0.4751, 0.8049

Previews

White Background



This preview shows how the XYZ color 22.8589, 25.3303, 60.8112 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 22.8589, 25.3303, 60.8112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

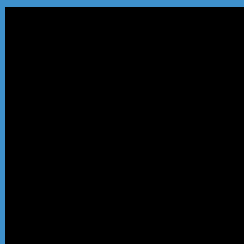
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

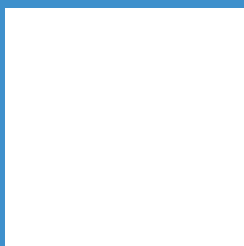
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8589, 25.3303, 60.8112

Background



This preview shows how black text looks on a background with the XYZ color 22.8589, 25.3303, 60.8112.

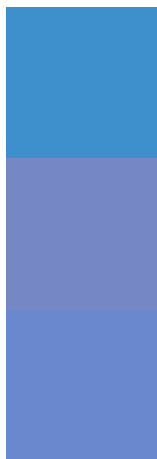


This preview shows how white text looks on a background with the XYZ color 22.8589, 25.3303,

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

22.8589, 25.3303, 60.8112

Protanopia

26.0781, 25.1411, 56.3016

Deuteranopia

25.7704, 25.0678, 61.8728



Tritanopia

18.5247, 25.4439, 39.0568

Trichromacy



Original Color

22.8589, 25.3303, 60.8112

Protanomaly

24.4436, 24.8885, 58.1592

Deuteranomaly

24.3719, 24.9969, 61.2979

Tritanomaly

19.8804, 25.2632, 46.4763

Monochromacy



Original Color

22.8589, 25.3303, 60.8112

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.8138, 21.9917, 33.7724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8589, 25.3303, 60.8112 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(62, 144, 204)` looks like.

```
.text, #text, p{  
    color:rgb(62, 144, 204)  
}
```

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(62, 144, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 144, 204) }
```

Border

The CSS property to change the border of an element to XYZ 22.8589, 25.3303, 60.8112 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(62, 144, 204) }
```


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

```
.border{ border-color:rgb(62, 144, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 144, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 144, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 144, 204);  
box-shadow:4px 4px 4px 4px rgb(62, 144,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8589, 25.3303, 60.8112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 144, 204) }
```

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

```
.background{ background-color: rgb(62, 144,  
204) }
```

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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