

Converting Colors

XYZ(18.5850, 21.7222, 45.3328)

Have a look what the booklet for
XYZ(18.5850, 21.7222, 45.3328)
contains.

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Color

**XYZ(18.5850, 21.7222,
45.3328)**

Conversions

Conversions Part 1

Format	Color
Hex	3A88B2
RGB	58, 136, 178
RGB Percent	23%, 53%, 70%
CMY	0.7725, 0.4667, 0.3020
CMYK	0.67, 0.24, 0.00, 0.30
HSL	201°, 51%, 46%
HSV	201°, 67%, 70%
XYZ	18.5850, 21.7222, 45.3328
YIQ	117.4660, -59.9700, -3.4740

Conversions

Conversions Part 2

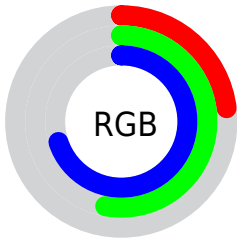
Format	Color
RYB	58, 105, 178
Decimal	3836082
CIELab	53.73, -10.36, -29.12
CIElCh	54, 30.902, 250.422
Yxy	21.7222, 0.2170, 0.2536
Android (android.graphics.Color)	4282026162 (0xFF3A88B2)
YUV	117.4660, 29.8433, -52.1517
Hunter-Lab	46.6071, -10.3839, -25.0440

Details

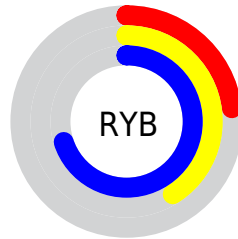
The XYZ color **18.5850, 21.7222, 45.3328** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **23.6821, 18.8864, 6.4013**, and the grayscale version is **16.9776, 17.8617, 19.4514**.

A 20% lighter version of the original color is **40.5201, 46.1873, 84.6213**, and **7.0295, 8.1362, 20.6020** is the 20% darker color. If you saturate the color by 10%, you get **16.8714, 19.5742, 45.0089**, and if you desaturate by 10%, it is **20.7088, 24.1581, 45.6915**.

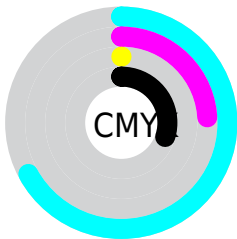
Distribution



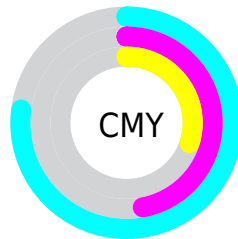
- Red (23%)
- Green (53%)
- Blue (70%)



- Red (23%)
- Yellow (41%)
- Blue (70%)



- Cyan (67%)
- Magenta (24%)
- Yellow (0%)
- Black (30%)



- Cyan (77%)
- Magenta (47%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5850, 21.7222, 45.3328 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 18.5850, 21.7222, 45.3328 by changing the saturation by 10% instead.

■ 18.5850, 21.7222,
45.3328

■ 18.5850, 21.7222,
45.3328

237.1304,
261.0921, 384.3191

■ 11.4730, 13.6529,
31.3748

■ 40.5540, 46.2864,
84.5433

■ 6.4556, 7.8797,
20.6236

■ 56.1417, 63.5502,
110.6329

■ 3.1673, 4.0180,
12.6606

■ 75.2853, 84.6475,
141.6034

■ 1.2428, 1.6837,
7.0673

■ 98.3503, 109.9628,
177.8735

■ 0.1398, 0.4130,
3.4251

■ 125.7019,
139.8806, 219.8615

■ 0.0000, 0.0000,
1.3156

157.7056,

■ 0.0000, 0.0000,

174.7851, 267.9861

0.0745

194.7266,
215.0608, 322.6658

■ 0.0000, 0.0000,
0.0000

■ 18.5850, 21.7222,
45.3328

■ 18.5850, 21.7222,
45.3328

■ 16.8714, 19.5742,
45.0089

■ 20.7088, 24.1581,
45.6915

■ 15.5262, 17.6902,
44.7162

■ 23.2745, 26.8985,
46.0852

■ 14.4912, 16.0393,
44.4521

■ 26.3132, 29.9609,
46.5161

■ 14.2466, 15.6357,
44.3871

■ 29.8523, 33.3606,
46.9858

■ 33.9169, 37.1118,
47.4956

■ 38.5304, 41.2276,
48.0469

■ 43.7148, 45.7205,
48.6409

■ 49.4907, 50.6022,
49.2787

■ 55.8778, 55.8839,
49.9615

Harmonies

Analogous

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



16.1678, 21.7222, 37.5579



18.5850, 21.7222, 45.3328



21.8198, 21.7222, 46.5056

Triad

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



18.5850, 21.7222, 45.3328



27.5641, 21.7222, 20.5037



16.7863, 21.7222, 12.3069

Complementary

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



18.5850, 21.7222, 45.3328



23.6821, 18.8864, 6.4013

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.



19.5157, 21.7222, 9.8669



18.5850, 21.7222, 45.3328



25.8838, 21.7222, 13.6875

Square

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



18.5850, 21.7222, 45.3328



27.2463, 21.7222, 30.3048



22.8546, 21.7222, 10.2937



15.2087, 21.7222, 18.0515

Rectangle

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



18.5850, 21.7222, 45.3328



24.0417, 21.7222, 43.1224



22.8546, 21.7222, 10.2937



17.5867, 21.7222, 11.1530

Sweetspot

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



18.5858, 21.7230, 45.3333



59.2411, 65.2354, 85.8505



19.9665, 33.6611, 17.5029



12.6670, 14.0313, 18.9629



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.



18.5858, 21.7230, 45.3333



29.2989, 33.7340, 81.3483



12.3663, 9.2840, 43.2602



8.4873, 9.1209, 10.8195



10.2542, 11.3087, 31.7793



0.3748, 0.4602, 1.0173

Inverse Universe

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



24.3178, 14.2696, 24.7658



41.1059, 21.7350, 38.2309



31.6954, 34.9129, 9.0724



8.7212, 8.5952, 10.0301



15.4105, 7.6817, 12.5875



0.5112, 0.2522, 0.5348

Previews

White Background



This preview shows how the XYZ color 18.5850, 21.7222, 45.3328 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 18.5850, 21.7222, 45.3328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

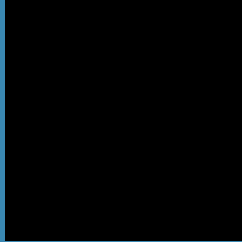
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.5850, 21.7222, 45.3328

Background



This preview shows how black text looks on a background with the XYZ color 18.5850, 21.7222, 45.3328.

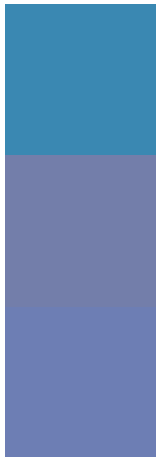


This preview shows how white text looks on a background with the XYZ color 18.5850, 21.7222,

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

18.5850, 21.7222, 45.3328

Protanopia

21.7868, 21.4688, 41.0258

Deuteranopia

22.0057, 21.4682, 46.1640



Tritanopia

16.1472, 21.8090, 33.0643

Trichromacy



Original Color

18.5850, 21.7222, 45.3328

Protanomaly

20.1416, 21.3621, 42.5969

Deuteranomaly

20.3358, 21.3936, 45.7054

Tritanomaly

16.8846, 21.6668, 37.0104

Monochromacy



Original Color

18.5850, 21.7222, 45.3328

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6917, 18.7662, 27.1686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5850, 21.7222, 45.3328 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(58, 136, 178)` looks like.

```
.text, #text, p{  
    color:rgb(58, 136, 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(58, 136, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 136, 178) }
```

Border

The CSS property to change the border of an element to XYZ 18.5850, 21.7222, 45.3328 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(58, 136, 178) }
```


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

```
.border{ border-color:rgb(58, 136, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 136, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 136, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 136, 178);  
box-shadow:4px 4px 4px 4px rgb(58, 136,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5850, 21.7222, 45.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 136, 178) }
```

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

```
.background{ background-color: rgb(58, 136,  
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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