

Converting Colors

XYZ(18.6378, 21.4955, 42.8225)

Have a look what the booklet for
XYZ(18.6378, 21.4955, 42.8225)
contains.

XYZ(18.6610, 21.6103, 42.7228)	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(18.6610, 21.6103,
42.7228)**

Conversions

Conversions Part 1

Format	Color
Hex	4587AD
RGB	69, 135, 173
RGB Percent	27%, 53%, 68%
CMY	0.7294, 0.4706, 0.3216
CMYK	0.60, 0.22, 0.00, 0.32
HSL	202°, 43%, 47%
HSV	202°, 60%, 68%
XYZ	18.6610, 21.6103, 42.7228
YIQ	119.5980, -51.5340, -2.1740

Conversions

Conversions Part 2

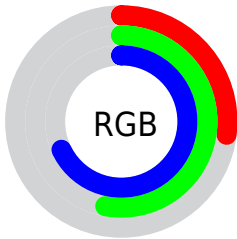
Format	Color
R_{YB}	69, 109, 173
Decimal	4556717
CIE _{Lab}	53.61, -9.44, -26.40
CIE _{LCh}	54, 28.038, 250.318
Yxy	21.6103, 0.2248, 0.2604
Android (android.graphics.Color)	4282746797 (0xFF4587AD)
YUV	119.5980, 26.3272, -44.3744
Hunter-Lab	46.4869, -9.6977, -21.9484

Details

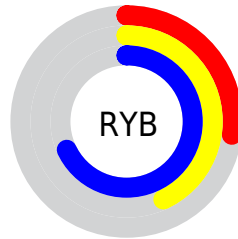
The XYZ color **18.6610, 21.6103, 42.7228** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **23.5661, 19.8301, 8.2165**, and the grayscale version is **17.6557, 18.5751, 20.2283**.

A 20% lighter version of the original color is **40.7303, 46.0592, 80.8723**, and **6.6387, 7.8531, 18.9352** is the 20% darker color. If you saturate the color by 10%, you get **16.7522, 19.3560, 42.3887**, and if you desaturate by 10%, it is **20.9814, 24.1553, 43.0922**.

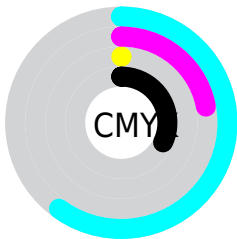
Distribution



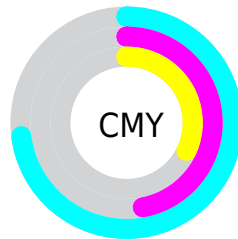
- Red (27%)
- Green (53%)
- Blue (68%)



- Red (27%)
- Yellow (43%)
- Blue (68%)



- Cyan (60%)
- Magenta (22%)
- Yellow (0%)
- Black (32%)



- Cyan (73%)
- Magenta (47%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6610, 21.6103, 42.7228 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 18.6610, 21.6103, 42.7228 by changing the saturation by 10% instead.

■ 18.6610, 21.6103,
42.7228

■ 18.6610, 21.6103,
42.7228

237.5450,
260.5044, 373.3582

■ 11.5281, 13.5708,
29.3379

■ 40.6818, 46.1011,
80.5743

■ 6.4931, 7.8228,
19.0888

■ 56.3004, 63.3211,
105.8779

■ 3.1907, 3.9818,
11.5570

■ 75.4784, 84.3702,
135.9915

■ 1.2554, 1.6634,
6.3239

■ 98.5810, 109.6327,
171.3336

■ 0.1494, 0.3998,
2.9711

■ 125.9736,
139.4929, 212.3228

■ 0.0000, 0.0000,
1.0799

158.0216,

■ 0.0000, 0.0000,

174.3354, 259.3776

0.0000

195.0903,
214.5444, 312.9166

■ 18.6610, 21.6103,
42.7228

■ 18.6610, 21.6103,
42.7228

■ 16.7522, 19.3560,
42.3887

■ 20.9814, 24.1553,
43.0922

■ 15.2198, 17.3717,
42.0865

■ 23.7403, 27.0051,
43.4968

■ 14.0258, 15.6370,
41.8146

■ 26.9646, 30.1751,
43.9387

■ 13.0961, 14.1235,
41.5714

■ 30.6786, 33.6791,
44.4193

■ 34.9046, 37.5298,
44.9399

■ 39.6634, 41.7392,
45.5015

■ 44.9747, 46.3185,
46.1055

■ 50.8571, 51.2785,
46.7528

■ 57.3285, 56.6296,
47.4446

Harmonies

Analogous

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



16.4550, 21.6103, 35.8937



18.6610, 21.6103, 42.7228



21.5886, 21.6103, 43.7683

Triad

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



18.6610, 21.6103, 42.7228



26.7416, 21.6103, 20.6983



17.0351, 21.6103, 13.0630

Complementary

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



18.6610, 21.6103, 42.7228



23.5661, 19.8301, 8.2165

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.



19.5258, 21.6103, 10.7492



18.6610, 21.6103, 42.7228



25.2505, 21.6103, 14.3917

Square

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



18.6610, 21.6103, 42.7228



26.4526, 21.6103, 29.5325



22.5410, 21.6103, 11.1678



15.5814, 21.6103, 18.4014

Rectangle

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



18.6610, 21.6103, 42.7228



23.5858, 21.6103, 40.8290



22.5410, 21.6103, 11.1678



17.7683, 21.6103, 11.9724

Sweetspot

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



18.6617, 21.6111, 42.7233



56.2361, 61.5112, 79.7147



19.9689, 32.1810, 18.6326



11.7829, 12.9620, 17.2686



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.6617, 21.6111, 42.7233



29.0692, 33.4971, 75.7393



13.2149, 10.7173, 40.9077



7.9865, 8.5725, 10.1864



9.6767, 10.4873, 30.5588



0.3189, 0.3911, 0.8667

Inverse Universe

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



23.7355, 14.8904, 24.5456



39.4577, 22.1777, 37.9731



30.4331, 33.5640, 10.5055



8.2110, 8.0977, 9.4220



14.7480, 7.3617, 11.5844



0.4354, 0.2148, 0.4544

Previews

White Background



This preview shows how the XYZ color 18.6610, 21.6103, 42.7228 looks on a white background.

Color Contrast Check

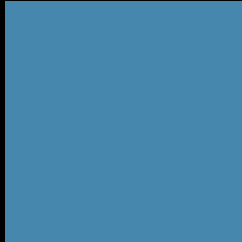
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6610, 21.6103, 42.7228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

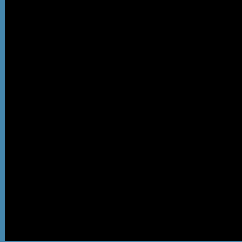
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6610, 21.6103, 42.7228

Background



This preview shows how black text looks on a background with the XYZ color 18.6610, 21.6103, 42.7228.

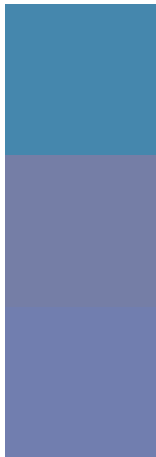


This preview shows how white text looks on a background with the XYZ color 18.6610, 21.6103,

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

18.6610, 21.6103, 42.7228

Protanopia

21.6799, 21.4568, 39.0753

Deuteranopia

22.0088, 21.5276, 43.5527



Tritanopia

16.5413, 21.5971, 32.1510

Trichromacy



Original Color

18.6610, 21.6103, 42.7228

Protanomaly

20.2672, 21.2744, 40.5743

Deuteranomaly

20.4200, 21.2979, 43.0791

Tritanomaly

17.3099, 21.7023, 35.6244

Monochromacy



Original Color

18.6610, 21.6103, 42.7228

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.3606, 19.2980, 27.2360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6610, 21.6103, 42.7228 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(69, 135, 173)` looks like.

```
.text, #text, p{  
    color:rgb(69, 135, 173)  
}
```

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(69, 135, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 135, 173) }
```

Border

The CSS property to change the border of an element to XYZ 18.6610, 21.6103, 42.7228 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(69, 135, 173) }
```


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

```
.border{ border-color:rgb(69, 135, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 135, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 135, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 135, 173);  
box-shadow:4px 4px 4px 4px rgb(69, 135,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6610, 21.6103, 42.7228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 135, 173) }
```

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

```
.background{ background-color: rgb(69, 135,  
173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor