

Converting Colors

XYZ(21.7496, 24.7159, 61.1183)

Have a look what the booklet for
XYZ(21.7496, 24.7159, 61.1183)
contains.

XYZ(21.8294, 24.7856, 61.3912)	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(21.8294, 24.7856,
61.3912)**

Conversions

Conversions Part 1

Format	Color
Hex	2790CD
RGB	39, 144, 205
RGB Percent	15%, 56%, 80%
CMY	0.8470, 0.4353, 0.1961
CMYK	0.81, 0.30, 0.00, 0.20
HSL	202°, 68%, 48%
HSV	202°, 81%, 80%
XYZ	21.8294, 24.7856, 61.3912
YIQ	119.5590, -82.1610, -3.2890

Conversions

Conversions Part 2

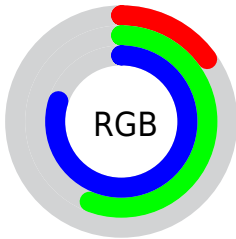
Format	Color
R _Y B	39, 103, 205
Decimal	2592973
CIE Lab	56.87, -7.88, -39.60
CIE LCh	57, 40.371, 258.748
Yxy	24.7856, 0.2021, 0.2295
Android (android.graphics.Color)	4280783053 (0xFF2790CD)
YUV	119.5590, 42.1224, -70.6502
Hunter-Lab	49.7851, -8.8567, -38.2623

Details

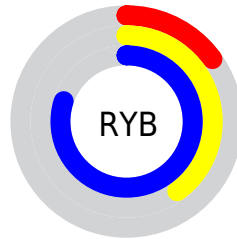
The XYZ color **21.8294, 24.7856, 61.3912** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **30.1021, 22.2430, 4.6276**, and the grayscale version is **17.6026, 18.5193, 20.1676**.

A 20% lighter version of the original color is **44.7996, 50.9877, 102.0882**, and **9.5077, 10.2074, 30.3233** is the 20% darker color. If you saturate the color by 10%, you get **20.1489, 22.2818, 60.9970**, and if you desaturate by 10%, it is **24.0068, 27.6594, 61.8316**.

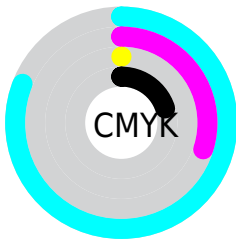
Distribution



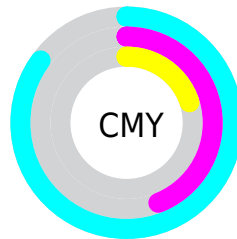
- Red (15%)
- Green (56%)
- Blue (80%)



- Red (15%)
- Yellow (40%)
- Blue (80%)



- Cyan (81%)
- Magenta (30%)
- Yellow (0%)
- Black (20%)



- Cyan (85%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8294, 24.7856, 61.3912 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 21.8294, 24.7856, 61.3912 by changing the saturation by 10% instead.

■ 21.8294, 24.7856,
61.3912

■ 21.8294, 24.7856,
61.3912

254.3032,
276.7685, 447.6531

■ 13.8475, 15.9174,
44.1083

■ 45.9448, 51.3092,
108.4082

■ 8.0957, 9.4657,
30.4179

■ 62.8091, 69.7334,
138.9794

■ 4.2085, 5.0462,
19.9012

■ 83.3648, 92.1116,
174.8172

■ 1.8208, 2.2744,
12.1399

■ 107.9774,
118.8284, 216.3401

■ 0.5301, 0.7601,
6.7153

■ 137.0121,
150.2681, 263.9665

■ 0.0000, 0.0000,
3.2090

170.8345,

■ 0.0000, 0.0000,

186.8151, 318.1152

1.2023

209.8097,
228.8538, 379.2045

■ 0.0000, 0.0000,
0.0000

■ 21.8294, 24.7856,
61.3912

■ 21.8294, 24.7856,
61.3912

■ 20.1489, 22.2818,
60.9970

■ 24.0068, 27.6594,
61.8316

■ 18.9575, 20.2837,
60.6741

■ 26.7391, 30.9340,
62.3197

■ 30.0784, 34.6387,
62.8588

■ 34.0694, 38.7988,
63.4514

■ 38.7525, 43.4369,
64.0998

■ 44.1646, 48.5739,
64.8061

■ 50.3398, 54.2294,
65.5723

■ 57.3100, 60.4215,
66.4001

■ 65.1051, 67.1676,
67.2914

Harmonies

Analogous

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



18.0613, 24.7856, 51.6532



21.8294, 24.7856, 61.3912



26.6000, 24.7856, 59.8812

Triad

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



21.8294, 24.7856, 61.3912



33.2499, 24.7856, 19.4594



17.3670, 24.7856, 13.2105

Complementary

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



21.8294, 24.7856, 61.3912



30.1021, 22.2430, 4.6276

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.



20.7572, 24.7856, 9.0872



21.8294, 24.7856, 61.3912



30.0700, 24.7856, 11.7724

Square

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



21.8294, 24.7856, 61.3912



33.6382, 24.7856, 32.3891



25.3755, 24.7856, 8.6677



15.7243, 24.7856, 22.2222

Rectangle

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



21.8294, 24.7856, 61.3912



29.7135, 24.7856, 52.7885



25.3755, 24.7856, 8.6677



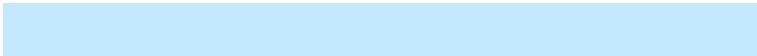
18.3173, 24.7856, 11.3569

Sweetspot

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



21.8303, 24.7864, 61.3918



69.2470, 76.6631, 105.7555



24.9631, 45.0124, 19.3979



14.1385, 15.7602, 22.5468



0.0000, 0.0000, 0.0000



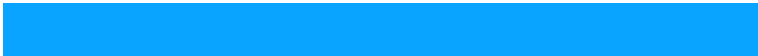
20.3446, 21.4041, 23.3091

Same Dimension

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



21.8303, 24.7864, 61.3918



31.4390, 33.8558, 99.4856



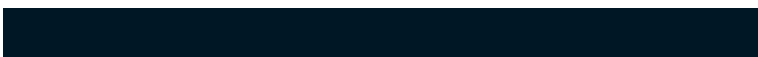
13.5334, 8.1926, 58.6262



11.1832, 12.0068, 14.2985



11.8950, 12.8140, 37.8027



0.6845, 0.8028, 1.9738

Inverse Universe

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



30.9373, 16.4450, 27.9298



48.0328, 24.1100, 37.2911



42.4501, 46.9390, 8.7436



11.5058, 11.3311, 13.1983



18.2150, 9.0966, 14.1165



0.9755, 0.4836, 0.9167

Previews

White Background



This preview shows how the XYZ color 21.8294, 24.7856, 61.3912 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 21.8294, 24.7856, 61.3912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

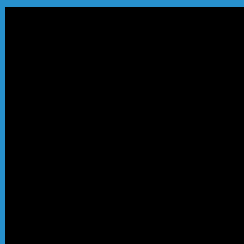
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

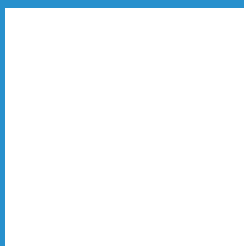
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8294, 24.7856, 61.3912

Background



This preview shows how black text looks on a background with the XYZ color 21.8294, 24.7856, 61.3912.

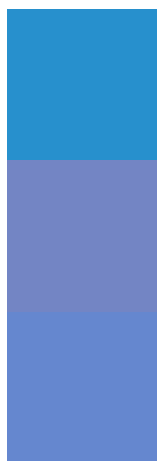


This preview shows how white text looks on a background with the XYZ color 21.8294, 24.7856,

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

21.8294, 24.7856, 61.3912

Protanopia

25.4216, 24.4054, 55.5954

Deuteranopia

25.2933, 24.5996, 62.4466



Tritanopia

17.5882, 24.7419, 38.0311

Trichromacy



Original Color

21.8294, 24.7856, 61.3912

Protanomaly

23.1849, 24.0411, 57.4512

Deuteranomaly

23.3709, 24.2529, 61.8420

Tritanomaly

18.8069, 24.4875, 45.8548

Monochromacy



Original Color

21.8294, 24.7856, 61.3912

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.7506, 20.1590, 32.2337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8294, 24.7856, 61.3912 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(39, 144, 205)` looks like.

```
.text, #text, p{  
    color:rgb(39, 144, 205)  
}
```

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(39, 144, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 144, 205) }
```

Border

The CSS property to change the border of an element to XYZ 21.8294, 24.7856, 61.3912 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(39, 144, 205) }
```


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

```
.border{ border-color:rgb(39, 144, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 144, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 144, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 144, 205);  
box-shadow:4px 4px 4px 4px rgb(39, 144,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8294, 24.7856, 61.3912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 144, 205) }
```

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

```
.background{ background-color: rgb(39, 144,  
205) }
```

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