

Converting Colors

XYZ(21.8046, 24.7934, 62.7426)

Have a look what the booklet for
XYZ(21.8046, 24.7934, 62.7426)
contains.

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Color

**XYZ(21.7712, 24.7275,
62.6569)**

Conversions

Conversions Part 1

Format	Color
Hex	1E90CF
RGB	30, 144, 207
RGB Percent	12%, 56%, 81%
CMY	0.8823, 0.4353, 0.1882
CMYK	0.85, 0.30, 0.00, 0.19
HSL	201°, 75%, 46%
HSV	201°, 85%, 81%
XYZ	21.7712, 24.7275, 62.6569
YIQ	117.0960, -88.1670, -4.5750

Conversions

Conversions Part 2

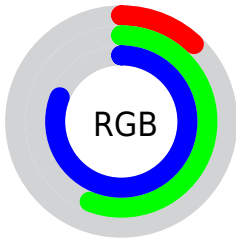
Format	Color
R_{YB}	30, 99, 207
Decimal	2003151
CIE _{Lab}	56.81, -7.90, -40.82
CIE _{LCh}	57, 41.579, 259.041
Yxy	24.7275, 0.1995, 0.2265
Android (android.graphics.Color)	4280193231 (0xFF1E90CF)
YUV	117.0960, 44.3227, -76.3832
Hunter-Lab	49.7268, -8.8715, -39.8981

Details

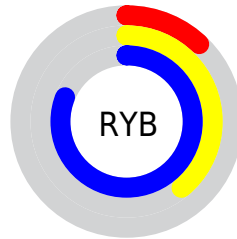
The XYZ color **21.7712, 24.7275, 62.6569** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **29.8833, 21.1920, 3.7452**, and the grayscale version is **16.8272, 17.7035, 19.2791**.

A 20% lighter version of the original color is **44.4284, 50.7963, 102.0708**, and **9.6702, 10.2724, 31.1789** is the 20% darker color. If you saturate the color by 10%, you get **20.2728, 22.3522, 62.2779**, and if you desaturate by 10%, it is **23.7401, 27.4542, 63.0799**.

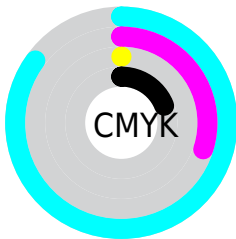
Distribution



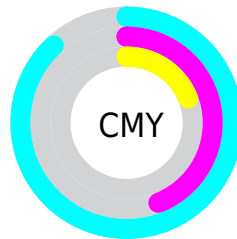
- Red (12%)
- Green (56%)
- Blue (81%)



- Red (12%)
- Yellow (39%)
- Blue (81%)



- Cyan (85%)
- Magenta (30%)
- Yellow (0%)
- Black (19%)



- Cyan (88%)
- Magenta (44%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7712, 24.7275, 62.6569 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 21.7712, 24.7275, 62.6569 by changing the saturation by 10% instead.

■ 21.7712, 24.7275,
62.6569

■ 21.7712, 24.7275,
62.6569

254.0040,
276.4781, 452.3969

■ 13.8045, 15.8742,
45.1245

■ 45.8492, 51.2148,
110.2552

■ 8.0656, 9.4351,
31.2118

■ 62.6913, 69.6175,
141.1581

■ 4.1891, 5.0261,
20.5004

■ 83.2225, 91.9722,
177.3549

■ 1.8097, 2.2626,
12.5716

■ 107.8083,
118.6632, 219.2642

■ 0.5235, 0.7538,
7.0070

■ 136.8140,
150.0749, 267.3045

■ 0.0000, 0.0000,
3.3880

170.6049,

■ 0.0000, 0.0000,

186.5917, 321.8944

1.2960

209.5465,
228.5980, 383.4523

■ 0.0000, 0.0000,
0.0585

■ 0.0000, 0.0000,
0.0000

■ 21.7712, 24.7275,
62.6569

■ 21.7712, 24.7275,
62.6569

■ 20.2728, 22.3522,
62.2779

■ 23.7401, 27.4542,
63.0799

■ 19.6932, 21.3662,
62.1182

■ 26.2455, 30.5672,
63.5488

■ 29.3442, 34.0982,
64.0670

■ 33.0849, 38.0740,
64.6373

■ 37.5106, 42.5189,
65.2620

■ 42.6604, 47.4547,
65.9432

■ 48.5703, 52.9017,
66.6831

■ 55.2740, 58.8789,
67.4835

■ 62.8027, 65.4043,
68.3462

Harmonies

Analogous

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



17.8956, 24.7275, 52.6029



21.7712, 24.7275, 62.6569



26.6840, 24.7275, 60.9586

Triad

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



21.7712, 24.7275, 62.6569



33.4854, 24.7275, 19.1050



17.1304, 24.7275, 12.9187

Complementary

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



21.7712, 24.7275, 62.6569



29.8833, 21.1920, 3.7452

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.



20.5849, 24.7275, 8.7261



21.7712, 24.7275, 62.6569



30.1736, 24.7275, 11.3525

Square

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



21.7712, 24.7275, 62.6569



33.9187, 24.7275, 32.3371



25.3238, 24.7275, 8.2736



15.4727, 24.7275, 22.1515

Rectangle

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



21.7712, 24.7275, 62.6569



29.8915, 24.7275, 53.5077



25.3238, 24.7275, 8.2736



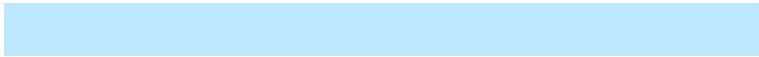
18.0961, 24.7275, 11.0319

Sweetspot

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



21.7721, 24.7283, 62.6575



67.6496, 75.3759, 105.5912



24.7793, 45.6745, 17.6273



13.8388, 15.5253, 22.5173



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.



21.7721, 24.7283, 62.6575



31.3661, 33.8522, 99.4887



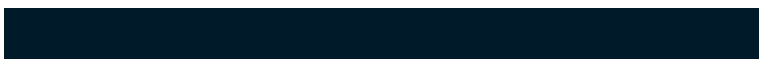
13.2406, 7.6652, 59.8137



11.7896, 12.6695, 15.0677



12.4996, 13.6459, 39.1676



0.7723, 0.9098, 2.2145

Inverse Universe

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



31.2313, 16.2089, 27.8686



47.9613, 23.9485, 37.3241



42.3801, 46.1855, 7.9108



12.1247, 11.9346, 13.9324



18.9400, 9.4488, 15.1219



1.0961, 0.5431, 1.0406

Previews

White Background



This preview shows how the XYZ color 21.7712, 24.7275, 62.6569 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 21.7712, 24.7275, 62.6569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

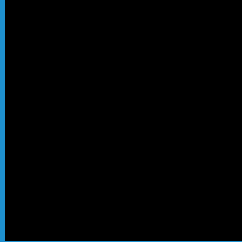
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7712, 24.7275, 62.6569

Background



This preview shows how black text looks on a background with the XYZ color 21.7712, 24.7275, 62.6569.

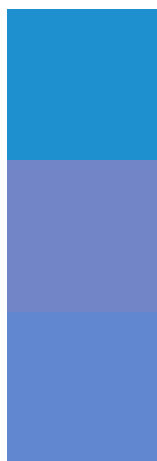


This preview shows how white text looks on a background with the XYZ color 21.7712, 24.7275,

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

21.7712, 24.7275, 62.6569

Protanopia

25.5200, 24.4297, 56.7964

Deuteranopia

25.2096, 24.5281, 63.7273



Tritanopia

17.5882, 24.7419, 38.0311

Trichromacy



Original Color

21.7712, 24.7275, 62.6569

Protanomaly

23.0556, 23.9474, 58.6655

Deuteranomaly

23.2213, 24.1475, 63.1115

Tritanomaly

18.7638, 24.4653, 45.8528

Monochromacy



Original Color

21.7712, 24.7275, 62.6569

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8407, 19.3120, 31.6942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7712, 24.7275, 62.6569 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(30, 144, 207)` looks like.

```
.text, #text, p{  
    color:rgb(30, 144, 207)  
}
```

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(30, 144, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 144, 207) }
```

Border

The CSS property to change the border of an element to XYZ 21.7712, 24.7275, 62.6569 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(30, 144, 207) }
```


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

```
.border{ border-color:rgb(30, 144, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 144, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 144, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 144, 207);  
box-shadow:4px 4px 4px 4px rgb(30, 144,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7712, 24.7275, 62.6569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 144, 207) }
```

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

```
.background{ background-color: rgb(30, 144,  
207) }
```

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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