

Converting Colors

XYZ(21.3390, 22.6227, 63.5684)

Have a look what the booklet for
XYZ(21.3390, 22.6227, 63.5684)
contains.

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Color

**XYZ(21.2993, 22.5122,
63.5443)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 2E87D1 |
| RGB | 46, 135, 209 |
| RGB Percent | 18%, 53%, 82% |
| CMY | 0.8196, 0.4706, 0.1804 |
| CMYK | 0.78, 0.35, 0.00, 0.18 |
| HSL | 207°, 64%, 50% |
| HSV | 207°, 78%, 82% |
| XYZ | 21.2993, 22.5122, 63.5443 |
| YIQ | 116.8250, -76.7980, 4.1460 |

Conversions

Conversions Part 2

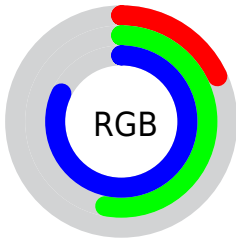
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 46, 104, 209 |
| Decimal | 3049425 |
| CIE Lab | 54.57, -0.46, -45.47 |
| CIE LCh | 55, 45.472, 269.415 |
| Yxy | 22.5122, 0.1984, 0.2097 |
| Android (android.graphics.Color) | 4281239505 (0xFF2E87D1) |
| YUV | 116.8250, 45.4423, -62.1135 |
| Hunter-Lab | 47.4470, -2.9024, -46.1923 |

Details

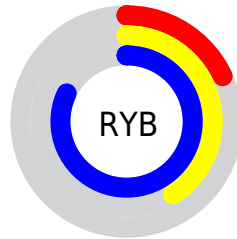
The XYZ color **21.2993, 22.5122, 63.5443** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark washed azure. A complement of this color would be **33.5062, 27.1889, 6.0682**, and the grayscale version is **16.7369, 17.6085, 19.1756**.

A 20% lighter version of the original color is **43.1035, 46.8313, 101.3753**, and **9.1605, 8.9887, 31.8240** is the 20% darker color. If you saturate the color by 10%, you get **19.3110, 19.6088, 63.0892**, and if you desaturate by 10%, it is **23.8652, 25.8891, 64.0614**.

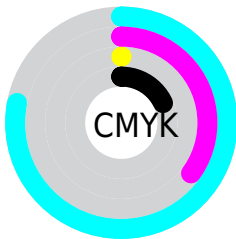
Distribution



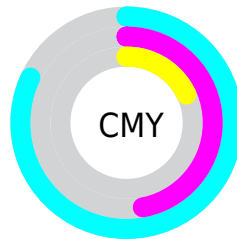
- Red (18%)
- Green (53%)
- Blue (82%)



- Red (18%)
- Yellow (41%)
- Blue (82%)



- Cyan (78%)
- Magenta (35%)
- Yellow (0%)
- Black (18%)



- Cyan (82%)
- Magenta (47%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2993, 22.5122, 63.5443 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 21.2993, 22.5122, 63.5443 by changing the saturation by 10% instead.

■ 21.2993, 22.5122,
63.5443

■ 21.2993, 22.5122,
63.5443

251.5666,
265.2096, 455.7044

■ 13.4567, 14.2337,
45.8379

■ 45.0727, 47.5911,
111.5475

■ 7.8229, 8.2834,
31.7702

■ 61.7341, 65.1603,
142.6814

■ 4.0327, 4.2768,
20.9226

■ 82.0658, 86.5953,
179.1282

■ 1.7206, 1.8296,
12.8768

■ 106.4332,
112.2803, 221.3064

■ 0.4691, 0.5055,
7.2140

■ 135.2016,
142.5999, 269.6346

■ 0.0000, 0.0000,
3.5158

168.7364,

■ 0.0000, 0.0000,

177.9384, 324.5313

1.3637

207.4030,
218.6801, 386.4150

■ 0.0000, 0.0000,
0.1131

■ 0.0000, 0.0000,
0.0000

■ 21.2993, 22.5122,
63.5443

■ 21.2993, 22.5122,
63.5443

■ 19.3110, 19.6088,
63.0892

■ 23.8652, 25.8891,
64.0614

■ 17.8095, 17.1268,
62.6892

■ 27.0678, 29.7735,
64.6423

■ 17.5385, 16.6630,
62.6140

■ 30.9608, 34.1976,
65.2911

■ 35.5909, 39.1897,
66.0106

■ 41.0007, 44.7755,
66.8037

■ 47.2291, 50.9790,
67.6728

■ 54.3123, 57.8226,
68.6204

■ 62.2843, 65.3273,
69.6488

■ 71.1770, 73.5133,
70.7602

Harmonies

Analogous

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



16.8763, 22.5122, 56.6007



21.2993, 22.5122, 63.5443



26.4648, 22.5122, 57.0926

Triad

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



21.2993, 22.5122, 63.5443



30.8924, 22.5122, 13.3400



14.1534, 22.5122, 13.0186

Complementary

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



21.2993, 22.5122, 63.5443



33.5062, 27.1889, 6.0682

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.



17.0217, 22.5122, 7.5197



21.2993, 22.5122, 63.5443



26.6609, 22.5122, 7.6481

Square

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



21.2993, 22.5122, 63.5443



32.4991, 22.5122, 24.7938



21.4953, 22.5122, 6.0211



13.1642, 22.5122, 24.2323

Rectangle

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



21.2993, 22.5122, 63.5443



29.5438, 22.5122, 47.0921



21.4953, 22.5122, 6.0211



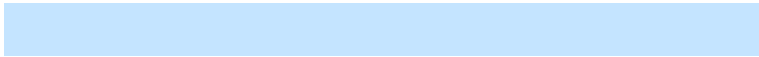
14.9054, 22.5122, 10.6269

Sweetspot

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



21.3002, 22.5129, 63.5449



68.7519, 74.6943, 105.4016



27.2793, 47.5230, 25.3007



13.9734, 15.2430, 22.4557



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.



21.3002, 22.5129, 63.5449



28.5572, 27.9347, 98.4946



13.9628, 7.8382, 61.0991



11.6909, 12.4720, 15.0348



10.9134, 10.4733, 38.6388



0.6890, 0.7431, 2.1867

Inverse Universe

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



31.6455, 17.2598, 24.5857



46.6167, 23.6908, 29.3798



47.6401, 55.4568, 10.7795



12.0749, 11.9147, 13.6701



18.1393, 9.1286, 10.9056



1.0540, 0.5263, 0.8191

Previews

White Background



This preview shows how the XYZ color 21.2993, 22.5122, 63.5443 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 21.2993, 22.5122, 63.5443 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

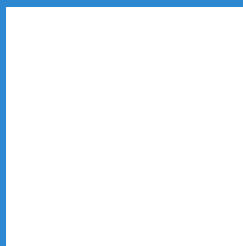
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2993, 22.5122, 63.5443

Background



This preview shows how black text looks on a background with the XYZ color 21.2993, 22.5122, 63.5443.



This preview shows how white text looks on a background with the XYZ color 21.2993, 22.5122,

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

21.2993, 22.5122, 63.5443

Protanopia

23.7295, 22.2678, 58.9245

Deuteranopia

23.0088, 22.3677, 64.0775



Tritanopia

15.8897, 22.3131, 34.4797

Trichromacy



Original Color

21.2993, 22.5122, 63.5443

Protanomaly

22.4818, 22.1669, 60.8513

Deuteranomaly

22.2680, 22.3846, 64.1198

Tritanomaly

17.4939, 22.2641, 43.9328

Monochromacy



Original Color

21.2993, 22.5122, 63.5443

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.0271, 18.8415, 31.5935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2993, 22.5122, 63.5443 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(46, 135, 209)` looks like.

```
.text, #text, p{  
    color:rgb(46, 135, 209)  
}
```

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(46, 135, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 135, 209) }
```

Border

The CSS property to change the border of an element to XYZ 21.2993, 22.5122, 63.5443 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(46, 135, 209) }
```


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

```
.border{ border-color:rgb(46, 135, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 135, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 135, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 135, 209);  
box-shadow:4px 4px 4px 4px rgb(46, 135,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2993, 22.5122, 63.5443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 135, 209) }
```

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

```
.background{ background-color: rgb(46, 135,  
209) }
```

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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