

Converting Colors

XYZ(21.4277, 22.9205, 48.0945)

Have a look what the booklet for
XYZ(21.4277, 22.9205, 48.0945)
contains.

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Color

**XYZ(21.4277, 22.9205,
48.0945)**

Conversions

Conversions Part 1

Format	Color
Hex	5A87B7
RGB	90, 135, 183
RGB Percent	35%, 53%, 72%
CMY	0.6470, 0.4706, 0.2823
CMYK	0.51, 0.26, 0.00, 0.28
HSL	211°, 39%, 54%
HSV	211°, 51%, 72%
XYZ	21.4277, 22.9205, 48.0945
YIQ	127.0170, -42.2280, 5.3880

Conversions

Conversions Part 2

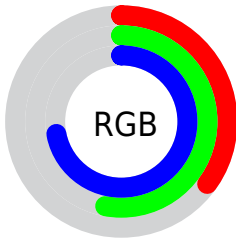
Format	Color
R_{YB}	90, 120, 183
Decimal	5932983
CIE _{Lab}	54.99, -1.68, -29.92
CIE _{LCh}	55, 29.965, 266.780
Yxy	22.9205, 0.2318, 0.2479
Android (android.graphics.Color)	4284123063 (0xFF5A87B7)
YUV	127.0170, 27.5996, -32.4639
Hunter-Lab	47.8754, -3.8902, -26.0486

Details

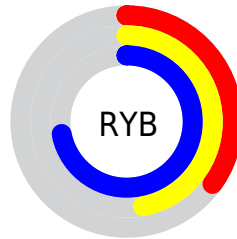
The XYZ color **21.4277, 22.9205, 48.0945** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.4633, 28.9836, 13.6627**, and the grayscale version is **20.0980, 21.1447, 23.0266**.

A 20% lighter version of the original color is **45.2403, 48.2182, 88.5840**, and **7.9221, 8.5586, 22.3535** is the 20% darker color. If you saturate the color by 10%, you get **18.6021, 19.5939, 47.6018**, and if you desaturate by 10%, it is **24.8100, 26.7085, 48.6478**.

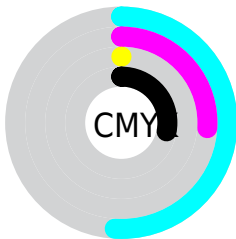
Distribution



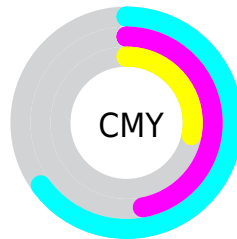
- Red (35%)
- Green (53%)
- Blue (72%)



- Red (35%)
- Yellow (47%)
- Blue (72%)



- Cyan (51%)
- Magenta (26%)
- Yellow (0%)
- Black (28%)



- Cyan (65%)
- Magenta (47%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4277, 22.9205, 48.0945 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 21.4277, 22.9205, 48.0945 by changing the saturation by 10% instead.

■ 21.4277, 22.9205,
48.0945

■ 21.4277, 22.9205,
48.0945

252.2318,
267.3164, 395.6861

■ 13.5512, 14.5348,
33.5412

■ 45.2842, 48.2628,
88.7121

■ 7.8888, 8.4936,
22.2669

■ 61.9949, 65.9881,
115.6135

■ 4.0751, 4.4124,
13.8529

■ 82.3812, 87.5955,
147.4680

■ 1.7447, 1.9068,
7.8809

■ 106.8082,
113.4693, 184.6941

■ 0.4840, 0.5525,
3.9321

135.6414,
143.9939, 227.7105

■ 0.0000, 0.0000,
1.5882

169.2462,

■ 0.0000, 0.0000,

179.5537, 276.9356

0.2824

207.9878,
220.5330, 332.7879

■ 0.0000, 0.0000,
0.0000

■ 21.4277, 22.9205,
48.0945

■ 21.4277, 22.9205,
48.0945

■ 18.6021, 19.5939,
47.6018

■ 24.8100, 26.7085,
48.6478

■ 16.2951, 16.7033,
47.1654

■ 28.7789, 30.9765,
49.2624

■ 14.4669, 14.2239,
46.7832

■ 33.3650, 35.7447,
49.9411

■ 13.0701, 12.1265,
46.4520

■ 38.5957, 41.0313,
50.6858

■ 12.0821, 10.4885,
46.1879

■ 44.4969, 46.8536,
51.4986

■ 51.0929, 53.2279,
52.3813

■ 58.4068, 60.1697,
53.3357

■ 66.4605, 67.6939,
54.3636

■ 75.2750, 75.8149,
55.4665

Harmonies

Analogous

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



18.4637, 22.9205, 43.6451



21.4277, 22.9205, 48.0945



24.7980, 22.9205, 45.1568

Triad

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



21.4277, 22.9205, 48.0945



28.0129, 22.9205, 17.5755



16.8578, 22.9205, 16.2013

Complementary

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



21.4277, 22.9205, 48.0945



30.4633, 28.9836, 13.6627

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.



19.0270, 22.9205, 11.9089



21.4277, 22.9205, 48.0945



25.4831, 22.9205, 12.5488

Square

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



21.4277, 22.9205, 48.0945



28.8203, 22.9205, 26.0004



22.1468, 22.9205, 10.7649



15.9997, 22.9205, 23.9410

Rectangle

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



21.4277, 22.9205, 48.0945



26.7899, 22.9205, 39.7305



22.1468, 22.9205, 10.7649



17.4463, 22.9205, 14.3913

Sweetspot

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



21.4285, 22.9213, 48.0951



64.8276, 69.1743, 90.1709



25.6303, 37.8331, 29.4320



13.8863, 14.8412, 19.8544



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.4285, 22.9213, 48.0951



32.7765, 34.4355, 85.1549



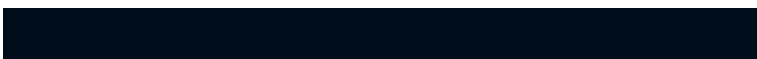
16.4208, 12.9060, 46.4258



8.8701, 9.4174, 11.4297



8.4968, 7.4532, 32.2439



0.3615, 0.3868, 1.1573

Inverse Universe

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



27.5585, 19.1298, 25.1623



45.4095, 28.3955, 37.4963



38.3080, 44.6730, 16.2776



9.1808, 9.0827, 10.2993



14.9025, 7.5347, 7.3731



0.5567, 0.2781, 0.4248

Previews

White Background



This preview shows how the XYZ color 21.4277, 22.9205, 48.0945 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 21.4277, 22.9205, 48.0945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

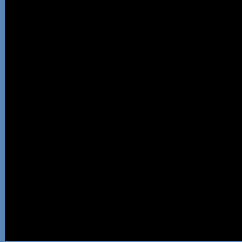
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4277, 22.9205, 48.0945

Background



This preview shows how black text looks on a background with the XYZ color 21.4277, 22.9205, 48.0945.

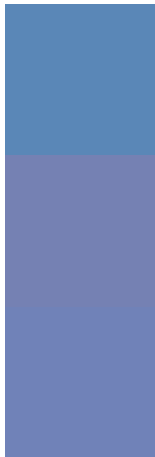


This preview shows how white text looks on a background with the XYZ color 21.4277, 22.9205,

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

21.4277, 22.9205, 48.0945

Protanopia

23.3231, 22.7371, 45.8073

Deuteranopia

23.3165, 22.8707, 48.5330



Tritanopia

18.5006, 23.0222, 33.1744

Trichromacy



Original Color

21.4277, 22.9205, 48.0945

Protanomaly

22.4179, 22.6537, 46.3711

Deuteranomaly

22.6119, 22.9063, 48.5770

Tritanomaly

19.4996, 22.9944, 38.0610

Monochromacy



Original Color

21.4277, 22.9205, 48.0945

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.1885, 21.6493, 30.7184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4277, 22.9205, 48.0945 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(90, 135, 183)` looks like.

```
.text, #text, p{  
    color:rgb(90, 135, 183)  
}
```

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(90, 135, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 135, 183) }
```

Border

The CSS property to change the border of an element to XYZ 21.4277, 22.9205, 48.0945 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(90, 135, 183) }
```


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

```
.border{ border-color:rgb(90, 135, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 135, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 135, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 135, 183);  
box-shadow:4px 4px 4px 4px rgb(90, 135,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4277, 22.9205, 48.0945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 135, 183) }
```

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

```
.background{ background-color: rgb(90, 135,  
183) }
```

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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