

Converting Colors

XYZ(21.1657, 24.1334, 44.5746)

Have a look what the booklet for
XYZ(21.1657, 24.1334, 44.5746)
contains.

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Color

**XYZ(21.1991, 24.1628,
44.6209)**

Conversions

Conversions Part 1

Format	Color
Hex	568DB0
RGB	86, 141, 176
RGB Percent	34%, 55%, 69%
CMY	0.6627, 0.4470, 0.3098
CMYK	0.51, 0.20, 0.00, 0.31
HSL	203°, 36%, 51%
HSV	203°, 51%, 69%
XYZ	21.1991, 24.1628, 44.6209
YIQ	128.5450, -44.0150, -0.7750

Conversions

Conversions Part 2

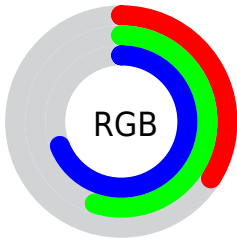
Format	Color
RYB	86, 120, 176
Decimal	5672368
CIELab	56.25, -8.20, -23.99
CIElCh	56, 25.349, 251.125
Yxy	24.1628, 0.2356, 0.2685
Android (android.graphics.Color)	4283862448 (0xFF568DB0)
YUV	128.5450, 23.3953, -37.3120
Hunter-Lab	49.1557, -9.0417, -19.4113

Details

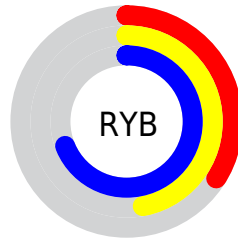
The XYZ color **21.1991, 24.1628, 44.6209** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.4222, 23.5775, 11.9632**, and the grayscale version is **20.6400, 21.7149, 23.6475**.

A 20% lighter version of the original color is **45.0651, 50.5191, 83.7199**, and **7.7422, 9.1318, 20.0935** is the 20% darker color. If you saturate the color by 10%, you get **18.7957, 21.4720, 44.2287**, and if you desaturate by 10%, it is **24.0655, 27.1858, 45.0538**.

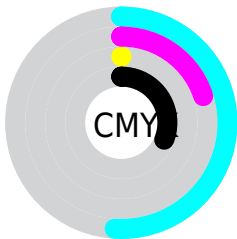
Distribution



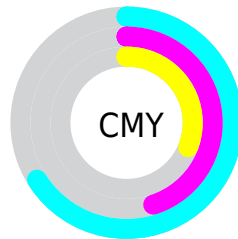
- Red (34%)
- Green (55%)
- Blue (69%)



- Red (34%)
- Yellow (47%)
- Blue (69%)



- Cyan (51%)
- Magenta (20%)
- Yellow (0%)
- Black (31%)



- Cyan (66%)
- Magenta (45%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1991, 24.1628, 44.6209 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 21.1991, 24.1628, 44.6209 by changing the saturation by 10% instead.

■ 21.1991, 24.1628,
44.6209

■ 21.1991, 24.1628,
44.6209

251.0465,
273.6425, 381.3513

■ 13.3829, 15.4544,
30.8182

■ 44.9074, 50.2957,
83.4636

■ 7.7716, 9.1389,
20.2031

■ 61.5303, 68.4891,
109.3407

■ 3.9997, 4.8319,
12.3572

■ 81.8194, 90.6129,
140.0797

■ 1.7020, 2.1490,
6.8620

■ 106.1402,
117.0516, 176.0990

■ 0.4575, 0.6920,
3.2988

134.8579,
148.1894, 217.8173

■ 0.0000, 0.0000,
1.2492

168.3379,

■ 0.0000, 0.0000,

184.4110, 265.6531

0.0196

206.9457,
226.1005, 320.0249

■ 0.0000, 0.0000,
0.0000

■ 21.1991, 24.1628,
44.6209

■ 21.1991, 24.1628,
44.6209

■ 18.7957, 21.4720,
44.2287

■ 24.0655, 27.1858,
45.0538

■ 16.8219, 19.0932,
43.8735

■ 27.4204, 30.5544,
45.5272

■ 15.2433, 17.0074,
43.5541

■ 31.2900, 34.2841,
46.0431

■ 14.0186, 15.1915,
43.2682

■ 35.6981, 38.3888,
46.6031

■ 13.1525, 13.7665,
43.0388

■ 40.6668, 42.8812,
47.2083

■ 46.2168, 47.7737,
47.8601

■ 52.3679, 53.0777,
48.5597

■ 59.1389, 58.8044,
49.3082

■ 66.5475, 64.9644,
50.1067

Harmonies

Analogous

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



18.9953, 24.1628, 38.3496



21.1991, 24.1628, 44.6209



24.0652, 24.1628, 45.4248

Triad

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



21.1991, 24.1628, 44.6209



28.9200, 24.1628, 23.3303



19.4715, 24.1628, 15.9704

Complementary

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



21.1991, 24.1628, 44.6209



26.4222, 23.5775, 11.9632

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.



21.9008, 24.1628, 13.4870



21.1991, 24.1628, 44.6209



27.4548, 24.1628, 17.0964

Square

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



21.1991, 24.1628, 44.6209



28.6918, 24.1628, 31.8547



24.8285, 24.1628, 13.8501



18.0577, 24.1628, 21.4478

Rectangle

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



21.1991, 24.1628, 44.6209



25.9886, 24.1628, 42.5925



24.8285, 24.1628, 13.8501



20.1874, 24.1628, 14.8161

Sweetspot

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



21.1999, 24.1637, 44.6215



61.3226, 66.4667, 84.0926



22.7844, 34.3980, 23.3683



12.9343, 14.0734, 18.1791



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.1999, 24.1637, 44.6215



33.7225, 38.5165, 80.1524



15.9036, 13.5712, 42.8561



8.4597, 9.0655, 10.8103



9.7082, 10.2168, 31.5973



0.3601, 0.4307, 1.0124

Inverse Universe

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



26.0407, 17.8096, 27.2653



43.8310, 27.0669, 43.5016



33.1303, 36.9936, 14.1993



8.7072, 8.5896, 9.9566



15.1349, 7.5715, 11.1363



0.5038, 0.2493, 0.4956

Previews

White Background



This preview shows how the XYZ color 21.1991, 24.1628, 44.6209 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 21.1991, 24.1628, 44.6209 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

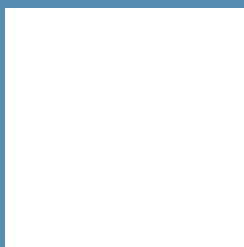
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1991, 24.1628, 44.6209

Background



This preview shows how black text looks on a background with the XYZ color 21.1991, 24.1628, 44.6209.

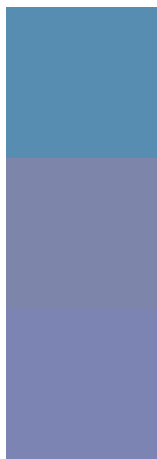


This preview shows how white text looks on a background with the XYZ color 21.1991, 24.1628,

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

21.1991, 24.1628, 44.6209

Protanopia

24.1007, 24.0373, 41.3996

Deuteranopia

24.4555, 23.9278, 45.4491



Tritanopia

19.3506, 24.3134, 35.1256

Trichromacy



Original Color

21.1991, 24.1628, 44.6209

Protanomaly

22.8061, 23.9664, 42.4537

Deuteranomaly

23.0302, 23.8173, 44.9783

Tritanomaly

20.0638, 24.3847, 38.2996

Monochromacy



Original Color

21.1991, 24.1628, 44.6209

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.3859, 22.3611, 30.4358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1991, 24.1628, 44.6209 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(86, 141, 176)` looks like.

```
.text, #text, p{  
    color:rgb(86, 141, 176)  
}
```

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(86, 141, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 141, 176) }
```

Border

The CSS property to change the border of an element to XYZ 21.1991, 24.1628, 44.6209 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(86, 141, 176) }
```


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

```
.border{ border-color:rgb(86, 141, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 141, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 141, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 141, 176);  
box-shadow:4px 4px 4px 4px rgb(86, 141,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1991, 24.1628, 44.6209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 141, 176) }
```

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

```
.background{ background-color: rgb(86, 141,  
176) }
```

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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