

Converting Colors

XYZ(20.4349, 24.7369, 45.4737)

Have a look what the booklet for
XYZ(20.4349, 24.7369, 45.4737)
contains.

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Color

**XYZ(20.3080, 24.5834,
45.2697)**

Conversions

Conversions Part 1

Format	Color
Hex	4291B1
RGB	66, 145, 177
RGB Percent	26%, 57%, 69%
CMY	0.7412, 0.4314, 0.3059
CMYK	0.63, 0.18, 0.00, 0.31
HSL	197°, 46%, 48%
HSV	197°, 63%, 69%
XYZ	20.3080, 24.5834, 45.2697
YIQ	125.0270, -57.3560, -6.7960

Conversions

Conversions Part 2

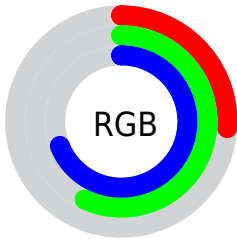
Format	Color
R _Y B	66, 112, 177
Decimal	4362673
CIE Lab	56.67, -14.31, -23.98
CIE LCh	57, 27.927, 239.183
Yxy	24.5834, 0.2252, 0.2727
Android (android.graphics.Color)	4282552753 (0xFF4291B1)
YUV	125.0270, 25.6227, -51.7667
Hunter-Lab	49.5816, -13.6566, -19.4266

Details

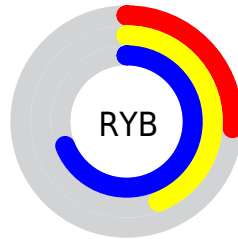
The XYZ color **20.3080, 24.5834, 45.2697** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **23.4834, 18.4769, 7.4839**, and the grayscale version is **19.4333, 20.4453, 22.2650**.

A 20% lighter version of the original color is **43.4436, 51.0151, 84.6480**, and **7.7303, 9.6397, 20.5220** is the 20% darker color. If you saturate the color by 10%, you get **18.5327, 22.5370, 44.9687**, and if you desaturate by 10%, it is **22.4889, 26.8919, 45.6008**.

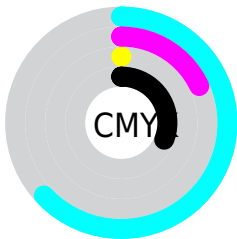
Distribution



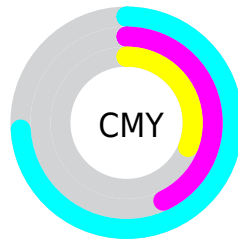
- Red (26%)
- Green (57%)
- Blue (69%)



- Red (26%)
- Yellow (44%)
- Blue (69%)



- Cyan (63%)
- Magenta (18%)
- Yellow (0%)
- Black (31%)



- Cyan (74%)
- Magenta (43%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3080, 24.5834, 45.2697 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 20.3080, 24.5834, 45.2697 by changing the saturation by 10% instead.

■ 20.3080, 24.5834,
45.2697

■ 20.3080, 24.5834,
45.2697

246.3796,
275.7568, 384.0567

■ 12.7287, 15.7669,
31.3254

■ 43.4330, 50.9806,
84.4477

■ 7.3177, 9.3594,
20.5862

■ 59.7094, 69.3301,
110.5185

■ 3.7097, 4.9763,
12.6336

■ 79.6155, 91.6260,
141.4686

■ 1.5392, 2.2334,
7.0490

■ 103.5167,
118.2529, 177.7165

■ 0.3523, 0.7381,
3.4138

■ 131.7784,
149.5950, 219.6807

■ 0.0000, 0.0000,
1.3096

164.7658,

■ 0.0000, 0.0000,

186.0368, 267.7797

0.0697

202.8444,
227.9626, 322.4322

■ 0.0000, 0.0000,
0.0000

■ 20.3080, 24.5834,
45.2697

■ 20.3080, 24.5834,
45.2697

■ 18.5327, 22.5370,
44.9687

■ 22.4889, 26.8919,
45.6008

■ 17.1248, 20.7308,
44.6943

■ 25.1043, 29.4765,
45.9618

■ 16.0425, 19.1432,
44.4449

■ 28.1830, 32.3532,
46.3548

■ 15.3933, 18.0892,
44.2757

■ 31.7505, 35.5360,
46.7811

■ 35.8306, 39.0375,
47.2420

■ 40.4452, 42.8698,
47.7384

■ 45.6151, 47.0441,
48.2717

■ 51.3598, 51.5712,
48.8427

■ 57.6979, 56.4611,
49.4525

Harmonies

Analogous

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



18.3229, 24.5834, 36.4779



20.3080, 24.5834, 45.2697



23.2768, 24.5834, 48.9500

Triad

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



20.3080, 24.5834, 45.2697



30.1888, 24.5834, 27.0231



20.4489, 24.5834, 13.9838

Complementary

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



20.3080, 24.5834, 45.2697



23.4834, 18.4769, 7.4839

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.



23.4550, 24.5834, 12.5623



20.3080, 24.5834, 45.2697



29.2582, 24.5834, 18.9536

Square

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



20.3080, 24.5834, 45.2697



29.1548, 24.5834, 37.0238



26.7161, 24.5834, 14.1499



18.3988, 24.5834, 18.6047

Rectangle

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



20.3080, 24.5834, 45.2697



25.4802, 24.5834, 47.4813



26.7161, 24.5834, 14.1499



21.3717, 24.5834, 13.1710

Sweetspot

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



20.3088, 24.5843, 45.2703



59.2316, 65.7002, 84.0549



20.1484, 33.4747, 16.8201



12.4110, 13.8691, 18.1672



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.



20.3088, 24.5843, 45.2703



32.2182, 39.1593, 80.3557



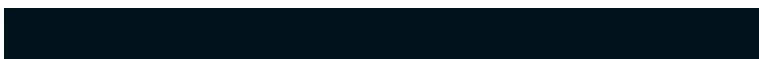
13.8439, 11.6544, 43.1153



8.5316, 9.2093, 10.8342



11.2069, 13.2141, 32.0969



0.3996, 0.5098, 1.0256

Inverse Universe

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



25.1912, 15.2888, 28.4123



42.1804, 22.9942, 45.3301



30.4986, 32.5074, 9.8223



8.7435, 8.6041, 10.1477



15.8914, 7.8741, 15.1197



0.5237, 0.2572, 0.6007

Previews

White Background



This preview shows how the XYZ color 20.3080, 24.5834, 45.2697 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 20.3080, 24.5834, 45.2697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

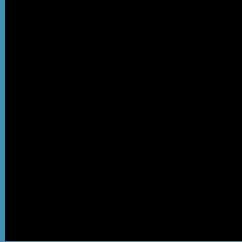
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3080, 24.5834, 45.2697

Background



This preview shows how black text looks on a background with the XYZ color 20.3080, 24.5834, 45.2697.

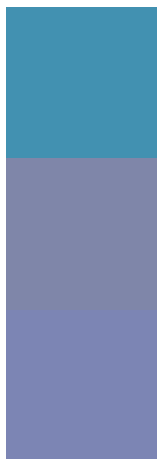


This preview shows how white text looks on a background with the XYZ color 20.3080, 24.5834,

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

20.3080, 24.5834, 45.2697

Protanopia

24.4389, 24.4268, 40.9629

Deuteranopia

24.9379, 24.3554, 46.5667



Tritanopia

18.6800, 24.6174, 37.0248

Trichromacy



Original Color

20.3080, 24.5834, 45.2697

Protanomaly

22.3606, 24.1588, 42.5143

Deuteranomaly

22.6759, 24.0296, 46.0908

Tritanomaly

19.2411, 24.6127, 39.8130

Monochromacy



Original Color

20.3080, 24.5834, 45.2697

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.9942, 21.4592, 29.5265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3080, 24.5834, 45.2697 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(66, 145, 177)` looks like.

```
.text, #text, p{  
    color:rgb(66, 145, 177)  
}
```

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(66, 145, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 145, 177) }
```

Border

The CSS property to change the border of an element to XYZ 20.3080, 24.5834, 45.2697 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(66, 145, 177) }
```


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

```
.border{ border-color:rgb(66, 145, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 145, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 145, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 145, 177);  
box-shadow:4px 4px 4px 4px rgb(66, 145,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3080, 24.5834, 45.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 145, 177) }
```

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

```
.background{ background-color: rgb(66, 145,  
177) }
```

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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