

Converting Colors

XYZ(20.2878, 24.7734, 46.3569)

Have a look what the booklet for
XYZ(20.2878, 24.7734, 46.3569)
contains.

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Color

**XYZ(20.2790, 24.7731,
46.3607)**

Conversions

Conversions Part 1

Format	Color
Hex	3C92B3
RGB	60, 146, 179
RGB Percent	24%, 57%, 70%
CMY	0.7647, 0.4274, 0.2980
CMYK	0.66, 0.18, 0.00, 0.30
HSL	197°, 50%, 47%
HSV	197°, 66%, 70%
XYZ	20.2790, 24.7731, 46.3607
YIQ	124.0480, -61.8490, -7.9690

Conversions

Conversions Part 2

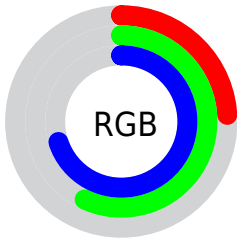
Format	Color
R _Y B	60, 110, 179
Decimal	3969715
CIE Lab	56.85, -15.25, -24.85
CIE LCh	57, 29.160, 238.461
Yxy	24.7731, 0.2218, 0.2710
Android (android.graphics.Color)	4282159795 (0xFF3C92B3)
YUV	124.0480, 27.0913, -56.1701
Hunter-Lab	49.7726, -14.3752, -20.3849

Details

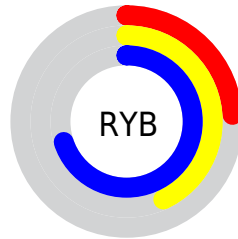
The XYZ color **20.2790, 24.7731, 46.3607** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **23.3211, 17.7396, 6.4707**, and the grayscale version is **19.1024, 20.0972, 21.8858**.

A 20% lighter version of the original color is **43.3954, 51.2998, 86.2119**, and **7.8581, 9.6908, 21.1950** is the 20% darker color. If you saturate the color by 10%, you get **18.6265, 22.8102, 46.0694**, and if you desaturate by 10%, it is **22.3321, 26.9927, 46.6814**.

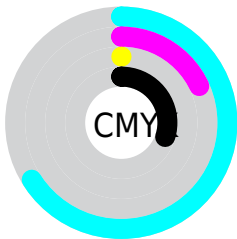
Distribution



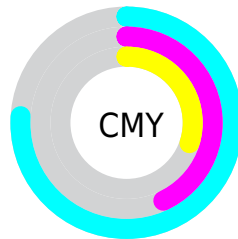
- Red (24%)
- Green (57%)
- Blue (70%)



- Red (24%)
- Yellow (43%)
- Blue (70%)



- Cyan (66%)
- Magenta (18%)
- Yellow (0%)
- Black (30%)



- Cyan (76%)
- Magenta (43%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2790, 24.7731, 46.3607 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 20.2790, 24.7731, 46.3607 by changing the saturation by 10% instead.

■ 20.2790, 24.7731,
46.3607

■ 20.2790, 24.7731,
46.3607

246.2264,
276.7061, 388.5765

■ 12.7075, 15.9081,
32.1798

■ 43.3848, 51.2889,
86.0985

■ 7.3030, 9.4591,
21.2329

■ 59.6498, 69.7084,
112.4926

■ 3.7003, 5.0419,
13.1015

■ 79.5434, 92.0817,
143.7947

■ 1.5340, 2.2718,
7.3669

■ 103.4308,
118.7929, 180.4236

■ 0.3488, 0.7587,
3.6107

■ 131.6774,
150.2266, 222.7976

■ 0.0000, 0.0000,
1.4143

164.6487,

■ 0.0000, 0.0000,

186.7670, 271.3355

0.1528

202.7099,
228.7988, 326.4556

■ 0.0000, 0.0000,
0.0000

■ 20.2790, 24.7731,
46.3607

■ 20.2790, 24.7731,
46.3607

■ 18.6265, 22.8102,
46.0694

■ 22.3321, 26.9927,
46.6814

■ 17.3330, 21.0807,
45.8037

■ 24.8170, 29.4844,
47.0314

■ 16.3469, 19.5577,
45.5617

■ 27.7644, 32.2651,
47.4128

■ 16.0348, 19.0507,
45.4803

■ 31.2014, 35.3493,
47.8269

■ 35.1530, 38.7505,
48.2751

■ 39.6424, 42.4812,
48.7586

■ 44.6914, 46.5531,
49.2785

■ 50.3203, 50.9774,
49.8358

■ 56.5486, 55.7646,
50.4315

Harmonies

Analogous

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



18.2375, 24.7731, 36.9529



20.2790, 24.7731, 46.3607



23.3703, 24.7731, 50.4471

Triad

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



20.2790, 24.7731, 46.3607



30.7305, 24.7731, 27.4814



20.5565, 24.7731, 13.5999

Complementary

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



20.2790, 24.7731, 46.3607



23.3211, 17.7396, 6.4707

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.



23.7227, 24.7731, 12.2158



20.2790, 24.7731, 46.3607



29.7962, 24.7731, 18.9753

Square

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



20.2790, 24.7731, 46.3607



29.5906, 24.7731, 38.0414



27.1465, 24.7731, 13.9221



18.3865, 24.7731, 18.2923

Rectangle

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



20.2790, 24.7731, 46.3607



25.6848, 24.7731, 49.0039



27.1465, 24.7731, 13.9221



21.5295, 24.7731, 12.7907

Sweetspot

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



20.2798, 24.7740, 46.3613



60.1134, 66.9801, 86.1413



19.9044, 33.9695, 15.5729



12.8840, 14.4654, 19.0353



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.2798, 24.7740, 46.3613



32.1544, 39.2925, 82.2707



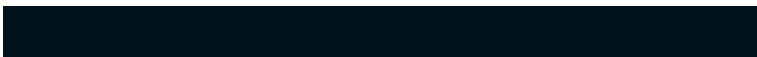
13.4716, 11.1575, 44.0919



8.5395, 9.2251, 10.8369



11.3875, 13.5755, 32.1571



0.4042, 0.5190, 1.0271

Inverse Universe

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



25.3953, 14.8915, 28.7309



42.5844, 22.4689, 45.5775



30.5109, 32.1192, 8.8673



8.7475, 8.6057, 10.1687



15.9826, 7.9106, 15.6000



0.5261, 0.2582, 0.6129

Previews

White Background



This preview shows how the XYZ color 20.2790, 24.7731, 46.3607 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 20.2790, 24.7731, 46.3607 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

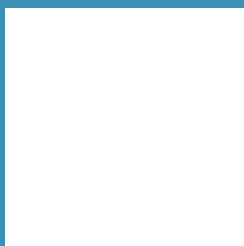
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2790, 24.7731, 46.3607

Background



This preview shows how black text looks on a background with the XYZ color 20.2790, 24.7731, 46.3607.

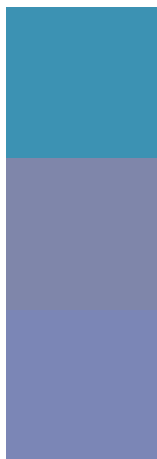


This preview shows how white text looks on a background with the XYZ color 20.2790, 24.7731,

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

20.2790, 24.7731, 46.3607

Protanopia

24.5332, 24.4645, 41.4593

Deuteranopia

25.1370, 24.6385, 47.6868



Tritanopia

18.4959, 24.7462, 37.5199

Trichromacy



Original Color

20.2790, 24.7731, 46.3607

Protanomaly

22.2248, 24.0777, 43.0112

Deuteranomaly

22.6845, 24.2225, 47.1959

Tritanomaly

19.1791, 24.7912, 40.8201

Monochromacy



Original Color

20.2790, 24.7731, 46.3607

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.6521, 21.2828, 29.5105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2790, 24.7731, 46.3607 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(60, 146, 179)` looks like.

```
.text, #text, p{  
    color:rgb(60, 146, 179)  
}
```

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(60, 146, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 146, 179) }
```

Border

The CSS property to change the border of an element to XYZ 20.2790, 24.7731, 46.3607 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(60, 146, 179) }
```


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

```
.border{ border-color:rgb(60, 146, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 146, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 146, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 146, 179);  
box-shadow:4px 4px 4px 4px rgb(60, 146,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2790, 24.7731, 46.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 146, 179) }
```

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

```
.background{ background-color: rgb(60, 146,  
179) }
```

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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