

Converting Colors

XYZ(20.6587, 24.8122, 43.2362)

Have a look what the booklet for
XYZ(20.6587, 24.8122, 43.2362)
contains.

XYZ(20.6487, 24.8044, 43.2346)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.6487, 24.8044,
43.2346)**

Conversions

Conversions Part 1

Format	Color
Hex	4C91AD
RGB	76, 145, 173
RGB Percent	30%, 57%, 68%
CMY	0.7019, 0.4314, 0.3216
CMYK	0.56, 0.16, 0.00, 0.32
HSL	197°, 39%, 49%
HSV	197°, 56%, 68%
XYZ	20.6487, 24.8044, 43.2346
YIQ	127.5610, -50.1120, -5.9200

Conversions

Conversions Part 2

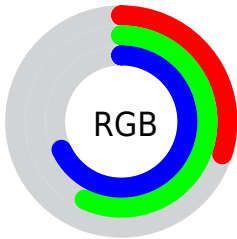
Format	Color
RYB	76, 116, 173
Decimal	5018029
CIELab	56.88, -13.58, -21.34
CIELCh	57, 25.293, 237.526
Yxy	24.8044, 0.2328, 0.2797
Android (android.graphics.Color)	4283208109 (0xFF4C91AD)
YUV	127.5610, 22.4014, -45.2190
Hunter-Lab	49.8040, -13.1511, -16.6065

Details

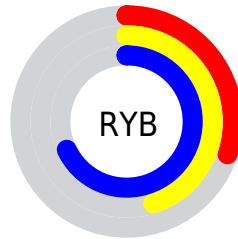
The XYZ color **20.6487, 24.8044, 43.2346** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **23.4891, 19.3075, 9.3270**, and the grayscale version is **20.3042, 21.3616, 23.2628**.

A 20% lighter version of the original color is **44.0820, 51.4095, 81.7284**, and **7.5559, 9.5713, 19.5384** is the 20% darker color. If you saturate the color by 10%, you get **18.7084, 22.6966, 42.9305**, and if you desaturate by 10%, it is **22.9937, 27.1717, 43.5684**.

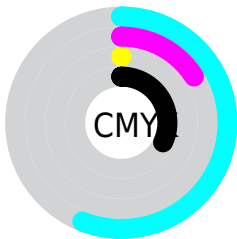
Distribution



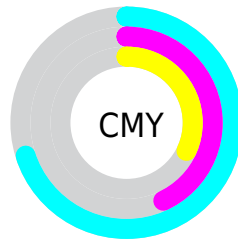
- Red (30%)
- Green (57%)
- Blue (68%)



- Red (30%)
- Yellow (45%)
- Blue (68%)



- Cyan (56%)
- Magenta (16%)
- Yellow (0%)
- Black (32%)



- Cyan (70%)
- Magenta (43%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6487, 24.8044, 43.2346 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 20.6487, 24.8044, 43.2346 by changing the saturation by 10% instead.

■ 20.6487, 24.8044,
43.2346

■ 20.6487, 24.8044,
43.2346

248.1728,
276.8624, 375.5252

■ 12.9785, 15.9314,
29.7365

■ 43.9978, 51.3397,
81.3549

■ 7.4906, 9.4756,
19.3883

■ 60.4074, 69.7708,
106.8142

■ 3.8198, 5.0527,
11.7715

■ 80.4608, 92.1567,
137.0976

■ 1.6007, 2.2782,
6.4677

■ 104.5235,
118.8819, 172.6236

■ 0.3929, 0.7621,
3.0581

■ 132.9606,
150.3306, 213.8108

■ 0.0000, 0.0000,
1.1244

166.1376,

■ 0.0000, 0.0000,

186.8874, 261.0778

0.0000

204.4199,
228.9365, 314.8431

■ 20.6487, 24.8044,
43.2346

■ 20.6487, 24.8044,
43.2346

■ 18.7084, 22.6966,
42.9305

■ 22.9937, 27.1717,
43.5684

■ 17.1396, 20.8289,
42.6527

■ 25.7685, 29.8104,
43.9315

■ 15.9075, 19.1834,
42.4000

■ 28.9987, 32.7349,
44.3257

■ 14.9651, 17.7351,
42.1701

■ 32.7072, 35.9577,
44.7523

■ 14.6337, 17.1987,
42.0840

■ 36.9154, 39.4902,
45.2124

■ 41.6432, 43.3434,
45.7069

■ 46.9094, 47.5276,
46.2370

■ 52.7320, 52.0525,
46.8035

■ 59.1280, 56.9275,
47.4074

Harmonies

Analogous

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



18.8780, 24.8044, 35.2676



20.6487, 24.8044, 43.2346



23.3309, 24.8044, 46.7970

Triad

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



20.6487, 24.8044, 43.2346



29.7348, 24.8044, 27.7178



21.0409, 24.8044, 14.9734

Complementary

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



20.6487, 24.8044, 43.2346



23.4891, 19.3075, 9.3270

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.



23.8225, 24.8044, 13.7714



20.6487, 24.8044, 43.2346



28.9948, 24.8044, 20.1502

Square

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



20.6487, 24.8044, 43.2346



28.7135, 24.8044, 36.7443



26.7673, 24.8044, 15.4535



19.0907, 24.8044, 19.1638

Rectangle

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



20.6487, 24.8044, 43.2346



25.3326, 24.8044, 45.7349



26.7673, 24.8044, 15.4535



21.9023, 24.8044, 14.2504

Sweetspot

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



20.6495, 24.8053, 43.2352



57.7119, 63.6583, 80.0513



20.3973, 32.4133, 18.1418



12.2544, 13.5869, 17.3643



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.6495, 24.8053, 43.2352



32.8610, 39.9095, 76.7771



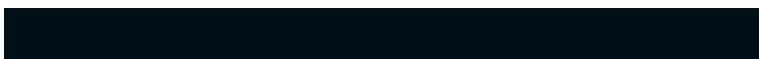
14.8004, 13.1070, 41.2855



8.0381, 8.6755, 10.2036



10.8013, 12.7364, 30.9336



0.3443, 0.4420, 0.8751

Inverse Universe

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



24.9296, 16.0983, 28.5823



41.6574, 24.1520, 46.1827



29.7643, 31.8578, 11.4188



8.2370, 8.1081, 9.5590



15.3156, 7.5888, 14.5734



0.4482, 0.2200, 0.5219

Previews

White Background



This preview shows how the XYZ color 20.6487, 24.8044, 43.2346 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 20.6487, 24.8044, 43.2346 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 20.6487, 24.8044, 43.2346

Background



This preview shows how black text looks on a background with the XYZ color 20.6487, 24.8044, 43.2346.



This preview shows how white text looks on a background with the XYZ color 20.6487, 24.8044,

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

20.6487, 24.8044, 43.2346

Protanopia

24.4613, 24.4705, 39.5104

Deuteranopia

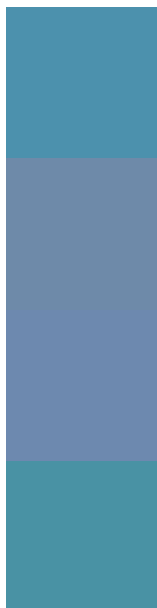
25.1261, 24.4988, 44.4788



Tritanopia

19.2903, 24.7102, 36.5537

Trichromacy



Original Color

20.6487, 24.8044, 43.2346

Protanomaly

22.6803, 24.3565, 41.0420

Deuteranomaly

22.9902, 24.2377, 44.0241

Tritanomaly

19.7274, 24.6546, 38.8410

Monochromacy



Original Color

20.6487, 24.8044, 43.2346

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.8658, 22.3150, 29.6457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6487, 24.8044, 43.2346 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(76, 145, 173)` looks like.

```
.text, #text, p{  
  color:rgb(76, 145, 173)  
}
```

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(76, 145, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 145, 173) }
```

Border

The CSS property to change the border of an element to XYZ 20.6487, 24.8044, 43.2346 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(76, 145, 173) }
```


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

```
.border{ border-color:rgb(76, 145, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 145, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 145, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 145, 173);  
box-shadow:4px 4px 4px 4px rgb(76, 145,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6487, 24.8044, 43.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 145, 173) }
```

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

```
.background{ background-color: rgb(76, 145,  
173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor