

Converting Colors

XYZ(23.0087, 29.1294, 44.4542)

Have a look what the booklet for
XYZ(23.0087, 29.1294, 44.4542)
contains.

XYZ(23.0087, 29.1294, 44.4542)	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(23.0087, 29.1294,
44.4542)**

Conversions

Conversions Part 1

Format	Color
Hex	4E9EAE
RGB	78, 158, 174
RGB Percent	31%, 62%, 68%
CMY	0.6941, 0.3804, 0.3176
CMYK	0.55, 0.09, 0.00, 0.32
HSL	190°, 38%, 49%
HSV	190°, 55%, 68%
XYZ	23.0087, 29.1294, 44.4542
YIQ	135.9040, -52.8160, -11.9840

Conversions

Conversions Part 2

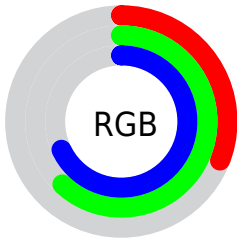
Format	Color
RYB	78, 122, 174
Decimal	5152430
CIELab	60.90, -19.83, -15.79
CIElCh	61, 25.350, 218.533
Yxy	29.1294, 0.2382, 0.3016
Android (android.graphics.Color)	4283342510 (0xFF4E9EAE)
YUV	135.9040, 18.7813, -50.7818
Hunter-Lab	53.9717, -18.3539, -11.0545

Details

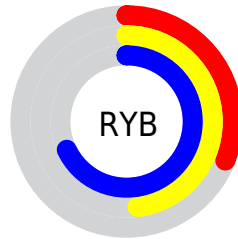
The XYZ color **23.0087, 29.1294, 44.4542** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.8340, 17.5548, 9.3935**, and the grayscale version is **23.3128, 24.5269, 26.7098**.

A 20% lighter version of the original color is **47.9288, 58.3965, 82.8743**, and **8.6919, 11.7261, 20.2176** is the 20% darker color. If you saturate the color by 10%, you get **21.2787, 27.5125, 44.2338**, and if you desaturate by 10%, it is **25.1293, 30.9663, 44.6975**.

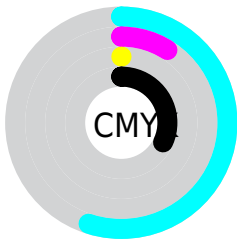
Distribution



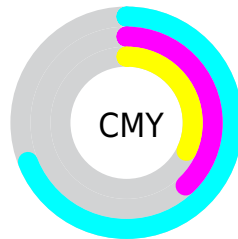
- Red (31%)
- Green (62%)
- Blue (68%)



- Red (31%)
- Yellow (48%)
- Blue (68%)



- Cyan (55%)
- Magenta (9%)
- Yellow (0%)
- Black (32%)



- Cyan (69%)
- Magenta (38%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0087, 29.1294, 44.4542 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 23.0087, 29.1294, 44.4542 by changing the saturation by 10% instead.

■ 23.0087, 29.1294,
44.4542

■ 23.0087, 29.1294,
44.4542

260.3042,
297.8250, 380.6540

■ 14.7207, 19.1787,
30.6879

■ 47.8742, 58.2826,
83.2105

■ 8.7086, 11.7995,
20.1049

■ 65.1823, 78.2539,
109.0376

■ 4.6072, 6.6073,
12.2865

■ 86.2278, 102.3343,
139.7221

■ 2.0511, 3.2177,
6.8142

■ 111.3762,
130.9080, 175.6825

■ 0.6624, 1.2464,
3.2695

■ 140.9926,
164.3596, 217.3374

■ 0.0000, 0.0992,
1.2338

175.4425,

■ 0.0000, 0.0000,

203.0734, 265.1052

0.0066

215.0912,
247.4337, 319.4046

■ 0.0000, 0.0000,
0.0000

■ 23.0087, 29.1294,
44.4542

■ 23.0087, 29.1294,
44.4542

■ 21.2787, 27.5125,
44.2338

■ 25.1293, 30.9663,
44.6975

■ 19.9061, 26.0964,
44.0328

■ 27.6651, 33.0340,
44.9630

■ 18.8565, 24.8640,
43.8503

■ 30.6416, 35.3464,
45.2524

■ 18.0864, 23.7926,
43.6840

■ 34.0816, 37.9155,
45.5670

■ 17.7659, 23.3076,
43.6073

■ 38.0063, 40.7523,
45.9077

■ 42.4355, 43.8670,
46.2755

■ 47.3879, 47.2694,
46.6712

■ 52.8812, 50.9688,
47.0957

■ 58.9323, 54.9740,
47.5499

Harmonies

Analogous

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



21.8676, 29.1294, 34.4937



23.0087, 29.1294, 44.4542



25.4262, 29.1294, 51.8394

Triad

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



23.0087, 29.1294, 44.4542



34.0292, 29.1294, 38.8519



26.7547, 29.1294, 16.9127

Complementary

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



23.0087, 29.1294, 44.4542



22.8340, 17.5548, 9.3935

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.



30.0771, 29.1294, 17.6199



23.0087, 29.1294, 44.4542



34.4560, 29.1294, 29.0934

Square

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



23.0087, 29.1294, 44.4542



31.8356, 29.1294, 48.1834



32.9591, 29.1294, 21.6797



23.9148, 29.1294, 19.5078

Rectangle

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



23.0087, 29.1294, 44.4542



27.5243, 29.1294, 53.6020



32.9591, 29.1294, 21.6797



27.8496, 29.1294, 16.7846

Sweetspot

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



23.0096, 29.1305, 44.4549



60.4181, 67.7414, 82.5279



20.2280, 32.6721, 15.4583



13.1501, 14.8497, 18.3175



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.



23.0096, 29.1305, 44.4549



38.0495, 49.3629, 80.1594



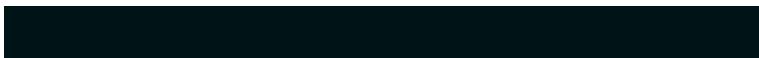
16.5328, 16.1769, 42.2960



8.1210, 8.8414, 10.2312



12.9227, 16.9793, 31.6407



0.3892, 0.5317, 0.8901

Inverse Universe

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



26.3522, 16.9169, 34.2253



44.9872, 25.9170, 58.5005



28.2680, 28.4228, 11.2048



8.2789, 8.1248, 9.7795



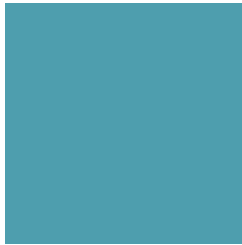
16.3864, 8.0171, 20.2122



0.4708, 0.2290, 0.6411

Previews

White Background



This preview shows how the XYZ color 23.0087, 29.1294, 44.4542 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 23.0087, 29.1294, 44.4542 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 23.0087, 29.1294, 44.4542

Background



This preview shows how black text looks on a background with the XYZ color 23.0087, 29.1294, 44.4542.

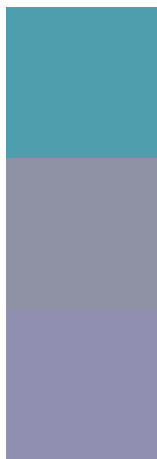


This preview shows how white text looks on a background with the XYZ color 23.0087, 29.1294,

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

23.0087, 29.1294, 44.4542

Protanopia

28.2446, 28.8071, 39.6690

Deuteranopia

29.4353, 28.8390, 45.6100



Tritanopia

22.6381, 28.9718, 42.9270

Trichromacy



Original Color

23.0087, 29.1294, 44.4542

Protanomaly

25.5820, 28.5618, 41.2104

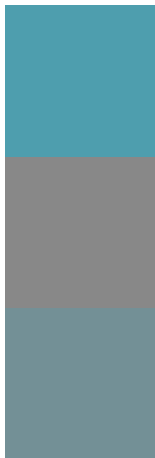
Deuteranomaly

26.3115, 28.3793, 45.1653

Tritanomaly

22.7338, 29.0101, 43.4310

Monochromacy



Original Color

23.0087, 29.1294, 44.4542

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.5485, 25.7934, 32.6443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0087, 29.1294, 44.4542 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(78, 158, 174)` looks like.

```
.text, #text, p{  
    color:rgb(78, 158, 174)  
}
```

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(78, 158, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 158, 174) }
```

Border

The CSS property to change the border of an element to XYZ 23.0087, 29.1294, 44.4542 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(78, 158, 174) }
```


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

```
.border{ border-color:rgb(78, 158, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 158, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 158, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 158, 174);  
box-shadow:4px 4px 4px 4px rgb(78, 158,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0087, 29.1294, 44.4542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 158, 174) }
```

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

```
.background{ background-color: rgb(78, 158,  
174) }
```

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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