

Converting Colors

XYZ(20.2087, 32.3468, 16.7337)

Have a look what the booklet for
XYZ(20.2087, 32.3468, 16.7337)
contains.

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Color

**XYZ(20.2087, 32.3468,
16.7337)**

Conversions

Conversions Part 1

Format	Color
Hex	4DAD62
RGB	77, 173, 98
RGB Percent	30%, 68%, 38%
CMY	0.6980, 0.3216, 0.6157
CMYK	0.55, 0.00, 0.43, 0.32
HSL	133°, 38%, 49%
HSV	133°, 55%, 68%
XYZ	20.2087, 32.3468, 16.7337
YIQ	135.7460, -33.1410, -43.6770

Conversions

Conversions Part 2

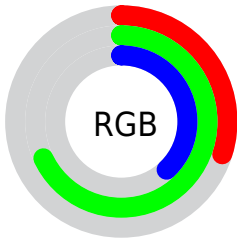
Format	Color
RYB	77, 156, 173
Decimal	5090658
CIELab	63.63, -44.80, 30.16
CIELCh	64, 54.007, 146.050
Yxy	32.3468, 0.2917, 0.4668
Android (android.graphics.Color)	4283280738 (0xFF4DAD62)
YUV	135.7460, -18.6088, -51.5202
Hunter-Lab	56.8742, -36.1049, 22.3675

Details

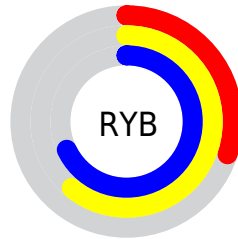
The XYZ color **20.2087, 32.3468, 16.7337** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **25.5559, 16.4595, 31.5365**, and the grayscale version is **23.3836, 24.6014, 26.7909**.

A 20% lighter version of the original color is **43.1972, 63.2272, 38.7815**, and **7.3172, 13.6761, 5.2717** is the 20% darker color. If you saturate the color by 10%, you get **18.4090, 31.4875, 13.5952**, and if you desaturate by 10%, it is **22.4890, 33.4432, 20.4587**.

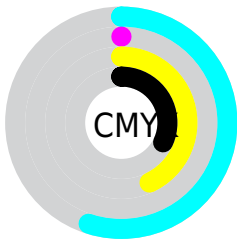
Distribution



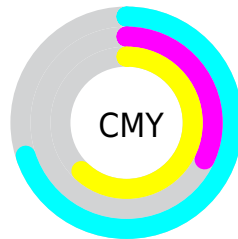
- Red (30%)
- Green (68%)
- Blue (38%)



- Red (30%)
- Yellow (61%)
- Blue (68%)



- Cyan (55%)
- Magenta (0%)
- Yellow (43%)
- Black (32%)



- Cyan (70%)
- Magenta (32%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2087, 32.3468, 16.7337 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 20.2087, 32.3468, 16.7337 by changing the saturation by 10% instead.

■ 20.2087, 32.3468,
16.7337

■ 20.2087, 32.3468,
16.7337

245.8548,
312.6960, 245.6248

■ 12.6560, 21.6265,
9.8849

■ 43.2681, 63.3544,
38.6517

■ 7.2674, 13.5827,
5.2181

■ 59.5055, 84.4105,
54.5579

■ 3.6777, 7.8310,
2.3148

■ 79.3684, 109.6806,
74.3204

■ 1.5215, 3.9870,
0.7395

■ 103.2224,
139.5492, 98.3576

■ 0.3404, 1.6663,
0.0000

■ 131.4326,
174.4006, 127.0881

■ 0.0000, 0.4017,
0.0000

164.3645,

■ 0.0000, 0.0000,

214.6193, 160.9305

0.0000

202.3835,
260.5897, 200.3032

■ 20.2087, 32.3468,
16.7337

■ 20.2087, 32.3468,
16.7337

■ 18.4090, 31.4875,
13.5952

■ 22.4890, 33.4432,
20.4587

■ 17.0519, 30.8437,
11.0110

■ 25.2795, 34.7886,
24.7957

■ 16.0975, 30.3964,
8.9493

■ 28.6098, 36.3988,
29.7715

■ 15.4953, 30.1202,
7.3740

■ 32.5070, 38.2871,
35.4104

■ 15.2916, 30.0274,
6.8107

■ 36.9960, 40.4659,
41.7358

■ 42.1004, 42.9469,
48.7695

■ 47.8424, 45.7411,
56.5327

■ 54.2431, 48.8591,
65.0456

■ 61.3228, 52.3106,
74.3276

Harmonies

Analogous

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



24.8014, 32.3468, 9.5206



20.2087, 32.3468, 16.7337



18.4199, 32.3468, 32.4337

Triad

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



20.2087, 32.3468, 16.7337



29.7557, 32.3468, 95.0878



45.7136, 32.3468, 19.9387

Complementary

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



20.2087, 32.3468, 16.7337



25.5559, 16.4595, 31.5365

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.



47.6151, 32.3468, 38.1618



20.2087, 32.3468, 16.7337



37.5687, 32.3468, 87.3143

Square

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



20.2087, 32.3468, 16.7337



23.3309, 32.3468, 82.1738



44.4235, 32.3468, 63.9058



39.5830, 32.3468, 10.7686

Rectangle

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



20.2087, 32.3468, 16.7337



18.8000, 32.3468, 48.0068



44.4235, 32.3468, 63.9058



46.9075, 32.3468, 24.9331

Sweetspot

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



20.2095, 32.3481, 16.7344



56.8791, 67.9192, 61.5032



29.2707, 37.1193, 12.6432



12.0599, 14.6144, 12.9330



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.



20.2095, 32.3481, 16.7344



32.2421, 56.0448, 23.0124



23.1778, 33.5354, 32.3651



7.9736, 8.9670, 8.8858



11.2516, 22.0659, 5.0986



0.3329, 0.6218, 0.2466

Inverse Universe

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



25.5559, 16.4595, 31.5365



42.7770, 24.5999, 52.0784



22.3972, 15.1960, 14.9030



8.2609, 8.1176, 9.6849



15.9032, 7.8238, 17.6677



0.4608, 0.2250, 0.5884

Previews

White Background



This preview shows how the XYZ color 20.2087, 32.3468, 16.7337 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.2087, 32.3468, 16.7337 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 ✓ Pass

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

XYZ 20.2087, 32.3468, 16.7337

Background



This preview shows how black text looks on a background with the XYZ color 20.2087, 32.3468, 16.7337.



This preview shows how white text looks on a background with the XYZ color 20.2087, 32.3468,

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

20.2087, 32.3468, 16.7337

Protanopia

29.3851, 31.8455, 14.2709

Deuteranopia

32.3060, 31.6245, 17.4981



Tritanopia

26.1410, 32.2666, 46.4453

Trichromacy



Original Color

20.2087, 32.3468, 16.7337



Protanomaly

24.5383, 31.0828, 15.0622



Deuteranomaly

25.7883, 30.6655, 17.1302



Tritanomaly

23.3805, 31.9492, 32.9515

Monochromacy



Original Color

20.2087, 32.3468, 16.7337



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.3305, 26.5449, 22.4118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2087, 32.3468, 16.7337 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(77, 173, 98)` looks like.

```
.text, #text, p{  
    color:rgb(77, 173, 98)  
}
```

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(77, 173, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 173, 98) }
```

Border

The CSS property to change the border of an element to XYZ 20.2087, 32.3468, 16.7337 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(77, 173, 98) }
```


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

```
.border{ border-color:rgb(77, 173, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 173, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 173, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 173, 98);  
box-shadow:4px 4px 4px 4px rgb(77, 173,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2087, 32.3468, 16.7337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 173, 98) }
```

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

```
.background{ background-color: rgb(77, 173,  
98) }
```

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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