

Converting Colors

XYZ(20.3777, 12.8050, 2.6027)

Have a look what the booklet for
XYZ(20.3777, 12.8050, 2.6027)
contains.

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Color

**XYZ(20.3887, 12.8054,
2.6254)**

Conversions

Conversions Part 1

Format	Color
Hex	B33B1E
RGB	179, 59, 30
RGB Percent	70%, 23%, 12%
CMY	0.2980, 0.7686, 0.8823
CMYK	0.00, 0.67, 0.83, 0.30
HSL	12°, 71%, 41%
HSV	12°, 83%, 70%
XYZ	20.3887, 12.8054, 2.6254
YIQ	91.5740, 80.8290, 16.4210

Conversions

Conversions Part 2

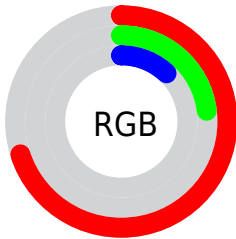
Format	Color
R_{YB}	179, 66, 30
Decimal	11746078
CIE _{Lab}	42.47, 47.29, 43.03
CIE _{LCh}	42, 63.935, 42.299
Yxy	12.8054, 0.5692, 0.3575
Android (android.graphics.Color)	4289936158 (0xFFB33B1E)
YUV	91.5740, -30.3560, 76.6726
Hunter-Lab	35.7846, 39.0793, 20.6993

Details

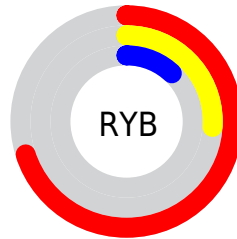
The XYZ color **20.3887, 12.8054, 2.6254** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **19.5772, 25.3409, 46.5069**, and the grayscale version is **10.1300, 10.6575, 11.6060**.

A 20% lighter version of the original color is **43.4094, 30.8249, 10.6831**, and **7.4712, 3.8516, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **19.5801, 11.4563, 1.5304**, and if you desaturate by 10%, it is **21.5322, 14.6171, 4.4722**.

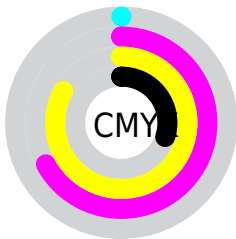
Distribution



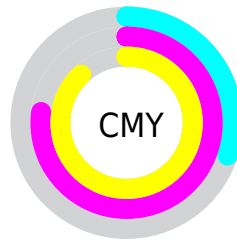
- Red (70%)
- Green (23%)
- Blue (12%)



- Red (70%)
- Yellow (26%)
- Blue (12%)



- Cyan (0%)
- Magenta (67%)
- Yellow (83%)
- Black (30%)





- Cyan (30%)
- Magenta (77%)
- Yellow (88%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3887, 12.8054, 2.6254 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 20.3887, 12.8054, 2.6254 by changing the saturation by 10% instead.


 20.3887, 12.8054,
2.6254


 20.3887, 12.8054,
2.6254


246.8053,
209.6667, 131.4365


 12.7878, 7.2947,
0.9055


 43.5669, 30.9537,
10.6892


 7.3586, 3.6471,
0.0000


 59.8749, 44.3601,
17.8714


 3.7357, 1.4782,
0.0000

 79.8160, 61.1672,
27.7118

 1.5537, 0.2733,
0.0000

 103.7556, 81.7594,
40.6290

 0.3619, 0.0000,
0.0000

 132.0589,
106.5210, 57.0415

 0.0000, 0.0000,
0.0000

 165.0914,

135.8365, 77.3679

203.2185,
170.0903, 102.0267

20.3887, 12.8054,
2.6254

20.3887, 12.8054,
2.6254

19.5801, 11.4563,
1.5304

21.5322, 14.6171,
4.4722

19.1868, 10.7767,
1.0689

23.0442, 16.9276,
7.1764

24.9551, 19.7717,
10.8273

27.2915, 23.1806,
15.5028

30.0778, 27.1828,
21.2724

■ 33.3363, 31.8050,
28.1999

■ 37.0879, 37.0722,
36.3439

■ 41.3523, 43.0081,
45.7590

■ 46.1480, 49.6351,
56.4966

Harmonies

Analogous

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



23.6505, 12.8054, 9.0211



20.3887, 12.8054, 2.6254



15.2105, 12.8054, 0.8609

Triad

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



20.3887, 12.8054, 2.6254



5.3075, 12.8054, 7.3321



14.2528, 12.8054, 59.2431

Complementary

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



20.3887, 12.8054, 2.6254



19.5772, 25.3409, 46.5069

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.



9.5663, 12.8054, 57.5614



20.3887, 12.8054, 2.6254



5.1786, 12.8054, 20.3915

Square

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



20.3887, 12.8054, 2.6254



6.9409, 12.8054, 2.0863



6.5249, 12.8054, 40.5017



19.5302, 12.8054, 44.2094

Rectangle

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



20.3887, 12.8054, 2.6254



11.8034, 12.8054, 0.6528



6.5249, 12.8054, 40.5017



12.5465, 12.8054, 60.7977

Sweetspot

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



20.3890, 12.8061, 2.6256



58.3570, 55.0584, 47.6152



24.6961, 12.7688, 30.7328



12.4728, 11.5518, 9.5769



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.



20.3890, 12.8061, 2.6256



34.2401, 19.0544, 1.8732



27.0510, 26.1302, 4.8463



8.6259, 8.7643, 8.8896



13.5958, 7.6901, 0.7678



0.4672, 0.3209, 0.0373

Inverse Universe

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



19.5772, 25.3409, 46.5069



32.3162, 41.3163, 82.6528



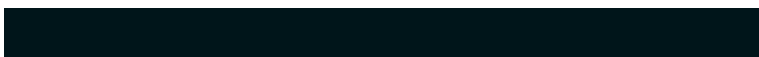
11.3388, 8.8642, 43.7608



8.5993, 9.3448, 10.8568



12.8593, 16.5189, 32.6477



0.4406, 0.5918, 1.0392

Previews

White Background



This preview shows how the XYZ color 20.3887, 12.8054, 2.6254 looks on a white 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

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

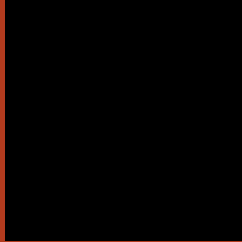
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.3887, 12.8054, 2.6254

Background



This preview shows how black text looks on a background with the XYZ color 20.3887, 12.8054, 2.6254.



This preview shows how white text looks on a background with the XYZ color 20.3887, 12.8054,

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

20.3887, 12.8054, 2.6254

Protanopia

11.8640, 12.9782, 3.9776

Deuteranopia

13.1785, 12.9923, 2.3034



Tritanopia

21.0260, 12.8474, 5.5093

Trichromacy



Original Color

20.3887, 12.8054, 2.6254

Protanomaly

13.9782, 12.1075, 3.3505

Deuteranomaly

15.2612, 12.4437, 2.3070

Tritanomaly

20.8190, 12.8430, 4.1780

Monochromacy



Original Color

20.3887, 12.8054, 2.6254

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.2550, 10.4521, 7.0018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3887, 12.8054, 2.6254 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(179, 59, 30)` looks like.

```
.text, #text, p{  
    color:rgb(179, 59, 30)  
}
```

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(179, 59, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 59, 30) }
```

Border

The CSS property to change the border of an element to XYZ 20.3887, 12.8054, 2.6254 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(179, 59, 30) }
```


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

```
.border{ border-color:rgb(179, 59, 30) }
```

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

Here you see how a box with a 4 pixel rgb(179, 59, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 59, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 59, 30);  
box-shadow:4px 4px 4px 4px rgb(179, 59,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3887, 12.8054, 2.6254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 59, 30) }
```

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

```
.background{ background-color: rgb(179, 59,  
30) }
```

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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